

OCTOBER, 1911.

CATALOGUE No. 28.

# MACHINERY

For  
Saddlers and Harness  
Makers



The...

## British United Shoe Machinery Co.

UNION WORKS, LIMITED,  
LEICESTER, England.

## **Depots.**

### **BRISTOL.**

105 Wilder Street.

Telephone No. 2103 Y.

### **DUBLIN.**

122 South Circular Road,

Kilmainham.

### **GLASGOW.**

153 Howard Street.

Telephone No. 282 Central.

### **KETTERING.**

British Lane.

Telephone No. 99.

### **LEEDS.**

64 and 66 North Street.

Telephone No. 1259 Central.

### **LONDON.**

26 Cowper Street, E.C.

Telephone No. 2891, London Wall.

### **NORTHAMPTON.**

Abington Street.

Telephone No. 168.

### **NORWICH.**

36 Colegate Street.

Telephone No. 455.

### **RUSHDEN.**

Station Approach.

Telephone No. 90.

### **STAFFORD.**

Browning Street.

Telephone No. 81.

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Telegraphic Address for all Depots:—"PROMINENT."

# MACHINERY

— FOR —

Saddlery, Belts, Harness, Brushes,  
Trunks, Footballs, Bags, Braces,  
Purses, Horse Clothing,  
Cycle Saddles,

— Also for —

Leather and Cloth Work for Road and  
Railway Carriages, Motor Cars, etc. ..

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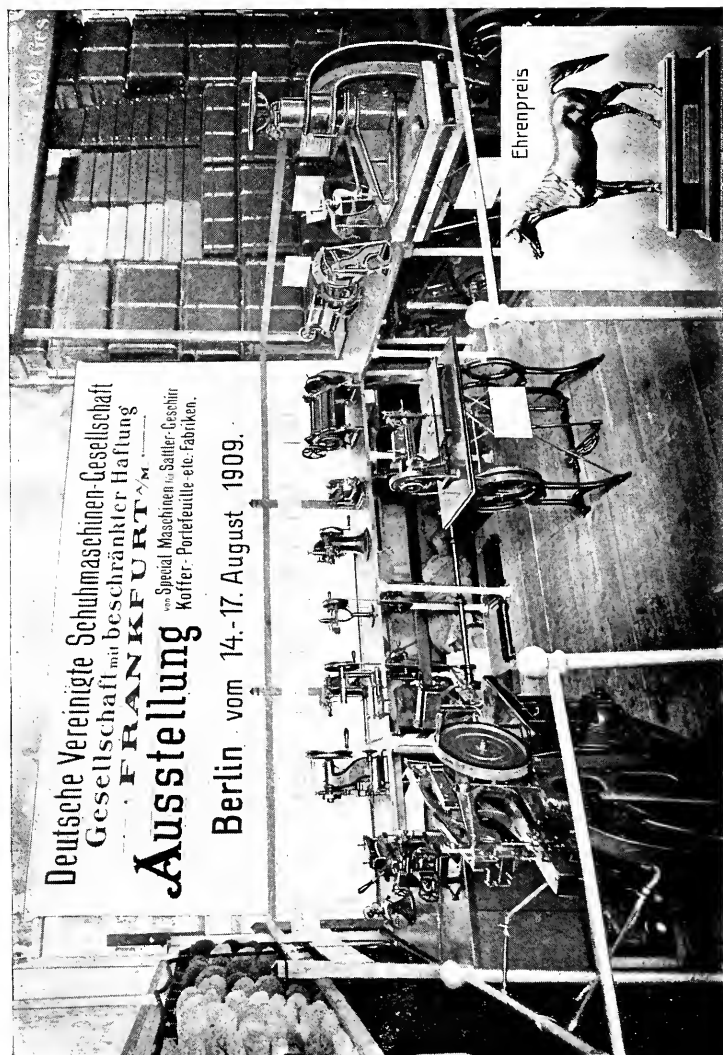
The British United Shoe Machinery, Co., Ltd.,  
Union Works, Belgrave Road, Leicester.

Telegrams:—  
"Prominent," Leicester.



Telephone:—  
No. 1757.—6 lines.

All previous Catalogues are cancelled.



The above illustration shows an Exhibit of our Machines, which was awarded **FIRST DIPLOMA** and **BRONZE HORSE** (see inset), Berlin Exhibition, 1909.

# TERMS.

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CASH OR REFERENCES must accompany orders from new Customers.

ORDERS FOR SUNDRIES from Customers with whom we have no account MUST be accompanied by remittance to cover amount.

CARRIAGE must be paid by purchaser.

PACKING CASES, BOXES, &c., under 2/6 in value, will be charged at cost price and are not returnable; above 2/6, the amount will be allowed in full, if properly ADVISED and returned carriage paid within 15 days,

ACCOUNTS are due in 30 days from date of invoice, less 2½%, unless specially quoted otherwise.

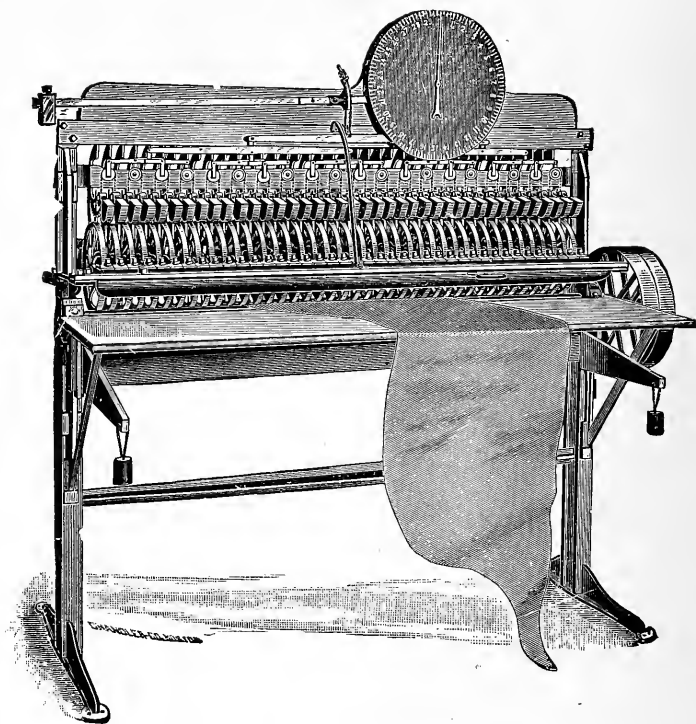
REMITTANCES should be made by CROSSED CHEQUES or Postal Orders, payable at Leicester.

OVERDUE ACCOUNTS may be charged with interest at the rate of 5% per annum.

EXPORT ORDERS should be sent to HEAD OFFICE, LEICESTER, accompanied by forwarding instructions and draft on a London Bank for the amount, or, we shall be glad to pass the bills of lading, policy of insurance, etc., through a bank for collection. The cost of cases, packing and delivery, F.O.B., is about 5% on net amount of invoice.

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**NOTICE.—Prices are Subject to Alteration without Notice.**



## Leather Measuring Machine.

FOR measuring the superficial area of whole skins. The parts of the machine are strongly made and perfectly balanced. The machine is extremely sensitive, and accurately measures skins of any irregular shape, the total measurement being registered on the dial which is graduated with both English and Metric measurements. The machine is readily adjusted for skins of different thicknesses.

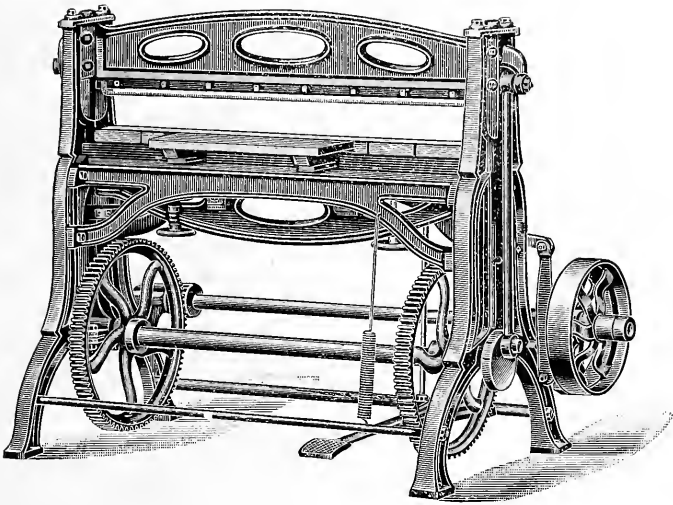
Made in four sizes, viz.—30" 72" 84" 108".

Prices on Application.

Receiving Pulley, 16" x 2" runs at 65 revolutions per minute.

Belt.	Net Weight.	Gross Weight.	Floor Space.	Height.
2"	1,232 lbs.	1,624 lbs.	88" x 40"	84"

These particulars are for the 72" Machine.



## Ranging Machines.

THE knife of each machine cuts upon a sectional wood block which may be adjusted both laterally and vertically to take up any wear in the block and knife. The machines are used for cutting leather, leather board, etc., into strips of any width.

Made in two sizes, viz.—50" and 78".

Prices on Application.

Receiving Pulley 16" x 4" runs at 475 revolutions per minute.

Machine.	Belt.	Net Weight.	Gross Weight.	Floor Space.	Height.
52"	3"	1,000	1,250	68" x 36"	54"
78"	3"	1,347	1,500	100" x 36"	54"



## Leather Rollers (Model H).

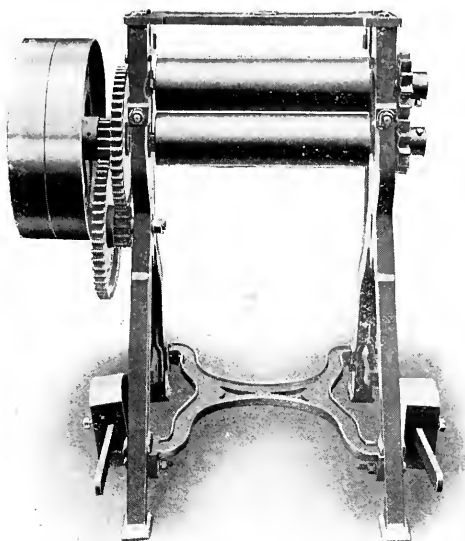
THE rolls are parallel for part of their length and at one end are convex and concave respectively, so that pieces of leather may be rolled flat or moulded as required. The pressure is applied by a foot lever, and the rollers are driven by belt power, while a handle, fixed in the pulley, allows of them being worked by hand.

Price ... **£7 0 0**

Receiving Pulley 14" x 2 $\frac{3}{4}$ " runs at 240 revolutions per minute.

Belt.	Net Weight.	Gross Weight.	Floor Space.	Height..
2"	207 lbs.	320 lbs.	28" x 26"	39"





## No. 2 Leather Rollers.

**T**HE rollers are of solid steel, 20" long, and are made either for hand or belt power as required.

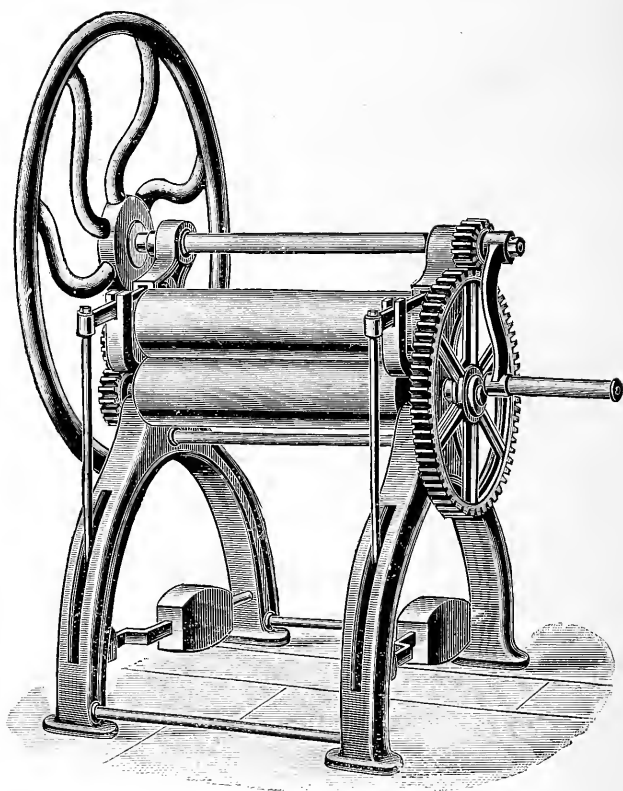
For rolling football leather, the lower roll is specially cut which ensures the leather being perfectly rolled and consolidated.

Price, for hand power, for football leather, **£11 10 0**

Price, for belt power, for football leather, **£12 0 0**

Receiving pulley, 18" x 3", runs at 120 revolutions per minute.

Belt.	Net weight.	Gross weight.	Fl or space.	Height.
2½"	659 lbs.	753 lbs.	38" x 36"	48"



### No. 5 Leather Rollers.

THE strong standards and rollers admit of a heavy pressure being applied to the leather. The steel rollers are 28" long and will roll pieces of leather up to this width.

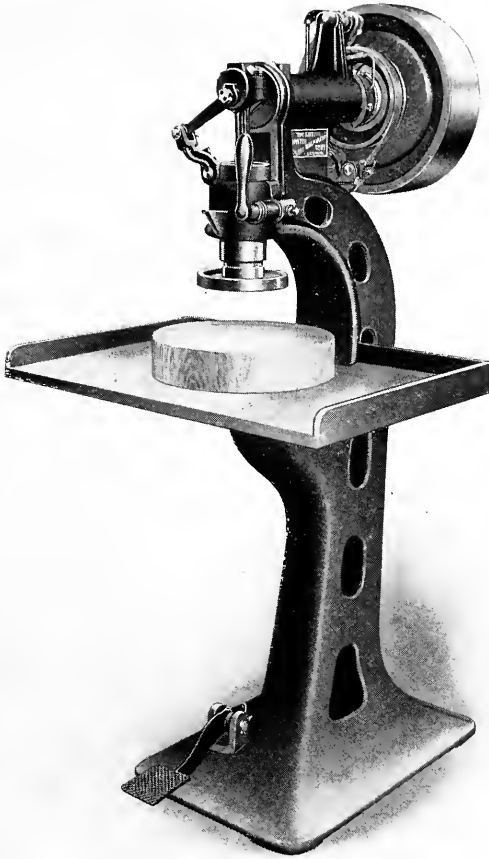
The illustration shows a machine arranged to be worked by hand; they are also made with pulleys for power driving.

Price, for hand power ... £20 0 0

" " belt " ... £21 0 0

Receiving pulley, 18" x 3", runs at 120 revolutions per minutes.

Belt.	Net weight.	Gross weight.	Floor space.	Height.
24"	1088 lbs.	1247 lbs.	64" x 36"	56"



## No. 2 Rapid Cutting Press.

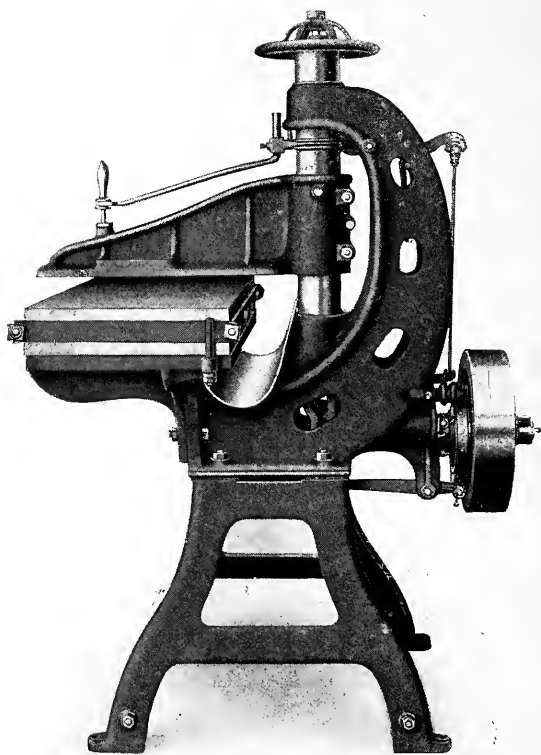
**A** heavier driving wheel and re-designed driving arrangement have increased the value of this press to the manufacturer by at least 25 per cent. The speed has been increased, and its freedom from repeating makes it a safe press to use. For cutting small pieces of leather of any shape from offal or good stock the press has no equal for rapidity of working and ease of manipulation.

The machine is supplied to be operated by a foot lever, as illustrated, or in place of the foot lever, a hand lever can be provided. Some manufacturers prefer the latter on account of the additional safety to the operator.

Price ... .. **£17 10 0**

Receiving pulley, 16" x 4 $\frac{1}{2}$ ", runs at 350 revolutions per minute.

Belt.	Net weight.	Gross weight.	Floor space.	Height.
4"	604 lbs.	720 lbs.	31" x 34"	64"



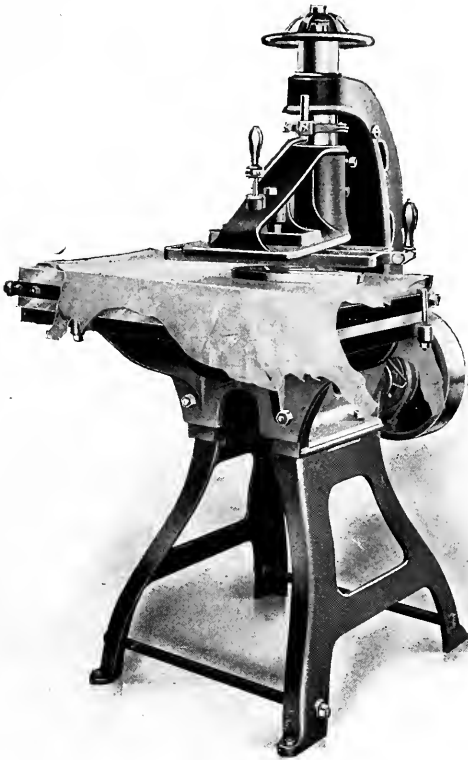
### No. 3 Ideal Clicking Press.

**I**N place of the usual bed or platen, the Ideal Press is provided with a swing beam or arm, which is swung to either side while the knife is placed on the leather, and is afterwards brought over the knife when, on depressing the handle, the driving motion is put into gear, the swing beam makes one stroke and then comes to rest. The advantages of this arrangement are :—Safety to the operator, and the better placing of the knives on the leather. At the present time there are over 5,000 of these Presses in use, doing work which, previous to its introduction, was done by hand. For cutting purses, tool bags, and any other shapes, this machine has no equal for rapidity and accuracy.

Price            ...            ...            **£25 0 0**

Receiving pulley, 16" x 4", runs at 350 revolutions per minute.

Belt.	Net weight.	Gross weight.	Floor space.	Height.
4"	1350 lbs.	1540 lbs.	39" x 50"	72"



## No. 3 Ideal Clicking Press.

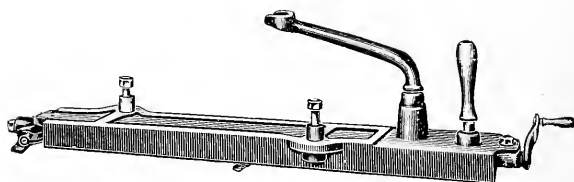
With Cover-all Swing Beam.

**S**OMETIMES, when using a large knife, if it is placed at an angle with the edge of the block, the regular swing beam does not cover it properly. To overcome this difficulty, the Cover-all Swing Beam has been devised. This consists of a swing beam, like the regular swing beam, but having attached to it a swing plate which may be adjusted to cover the knife at any angle. The cover plate is readily adjusted, and the press is operated with practically the same facility as the regular Ideal Press. The press is used extensively for cutting football sections, cycle tool bags, and other shapes of similar size.

Price ... .. £27 10 0

Receiving pulley, 16" x 4", runs at 350 revolutions per minute.

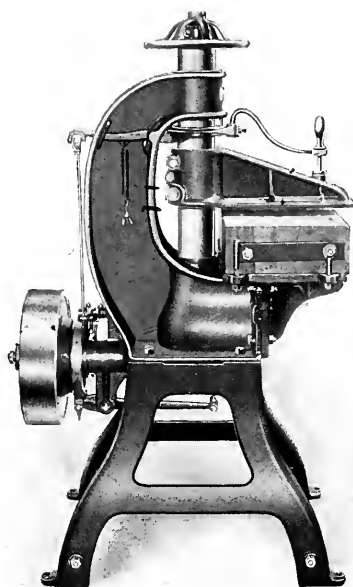
Belt.	Net weight.	Gross weight.	Floor space.	Height.
4"	1350 lbs.	1540 lbs.	39" x 50"	72"



### **Ideal Block Planing Attachment.**

**I**N order to obtain the best results from the Ideal Clicking Press, or any other press using a wood cutting block, it is necessary to keep the surface of the block level, and the Ideal Block Planing Attachment is designed for this purpose. It is attached to the swing beam of the Press, which is swung backwards and forwards, the knife being automatically fed so that it cuts in an advanced position at each stroke. If not too badly worn, a block may be levelled by this means in half an hour.

Price           ...           **£5 0 0**



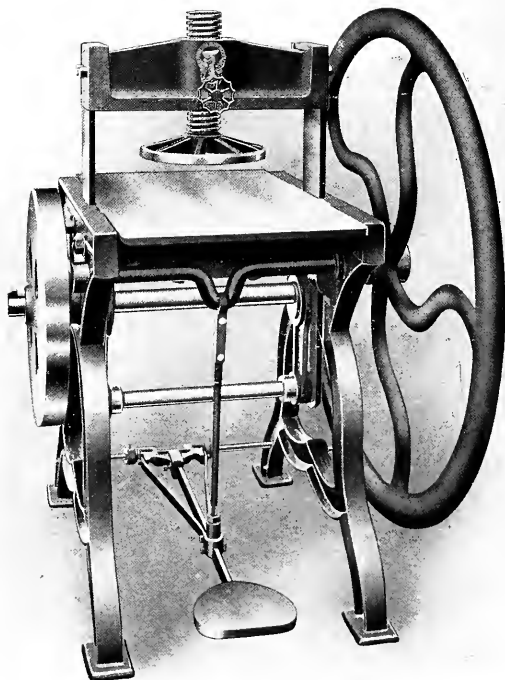
## The Magic Press.

**I**N general design and principle of working the Magic Press is the same as the Ideal, the difference between them being that the Magic is smaller. The press is used for cutting small pieces of leather of any shape, in doing which it works very rapidly. Many of these presses are being operated by boys and girls, the height of the block being arranged with a view to the employment of youthful labour.

Price            ...            ...            **£20 0 0**

Receiving pulley, 16" x 4", runs at 350 revolutions per minute.

Belt.	Net weight.	Gross weight.	Floor space.	Height.
4"	920 lbs.	1100 lbs.	27" x 36"	60"



## 1A Press.

**T**HE Buffer or platen is 11" in diameter and is adjustable in height so that cutting blocks and cutters of different thicknesses and depths may be used.

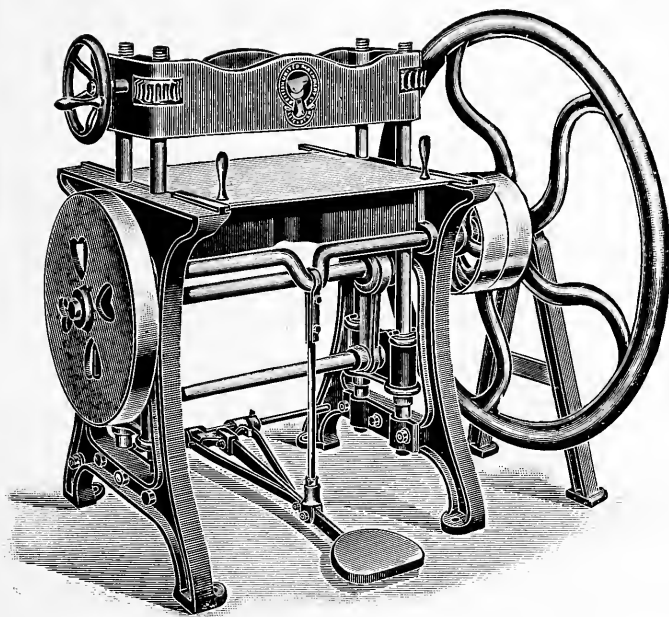
The uprights admit of pieces of leather 20" wide passing between them.

Price with treadle or for belt power	...	...	£12	0	0
Price with both treadle and pulleys	...	...	13	0	0
Sliding tray with handles, extra	...	...	0	7	6

Receiving pulley 12" x 3" runs at 225 revolutions per minute.

Belt,	Net weight,	Gross weight.	Floor space,	Height.
2 $\frac{3}{4}$ "	1064 lbs.	1288 lbs.	45" x 33"	52'





## Four-Pillar Box-Bed<sup>1</sup> Presses.

**T**HE style of platen adopted in these presses allows of much larger cutters being used than with the Buffer Press.

The pressure is distributed evenly throughout the platen by means of the four steel rods or pillars which are reciprocated by an eccentric shaft.

The presses are very strongly made, and the height of the platen is adjustable.

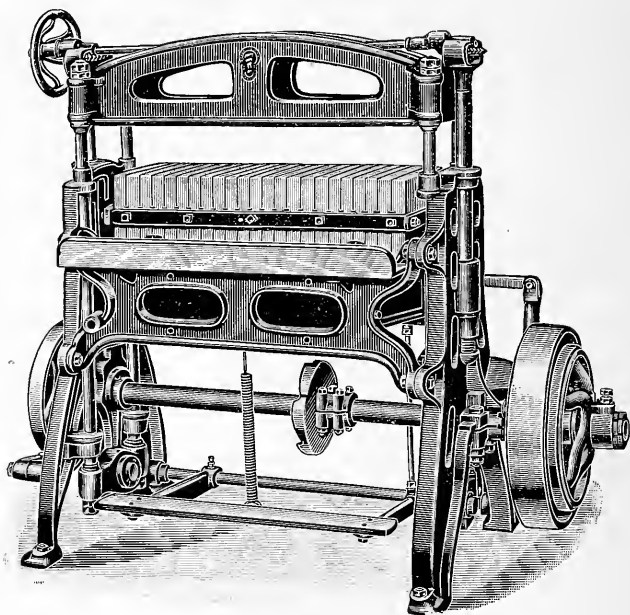
No. 8.	Press, 20" bed, for either treadle or power	...	...	<b>£17 0 0</b>
No. 9.	" 25" " " "	...	...	<b>19 0 0</b>
No. 9a.	" 33" " " "	...	...	<b>25 0 0</b>

If made for both treadle and power, **£1** extra each.

A sliding tray is included in the above prices.

Receiving pulley, 12" x 3", runs at 225 revolutions per minute.

No.	Net weight.	Gross weight.	Floor space.	Height.
8	1204 lbs.	1428 lbs.	48" x 48"	48"
9	1281 lbs.	1505 lbs.	54" x 48"	48"
9a	1596 lbs.	1848 lbs.	62" x 48"	48"



## Revolution Presses.

**W**HEN large quantities of leather have to be cut up by means of a press, a Revolution Press is the most economical press to use. It is more speedy and more economical in the power required to drive it.

One reason of its greater out-turn is, that the whole block may be covered with a side or other large piece of leather and the press knife is used from one end of the block to the other without it being necessary to move the leather.

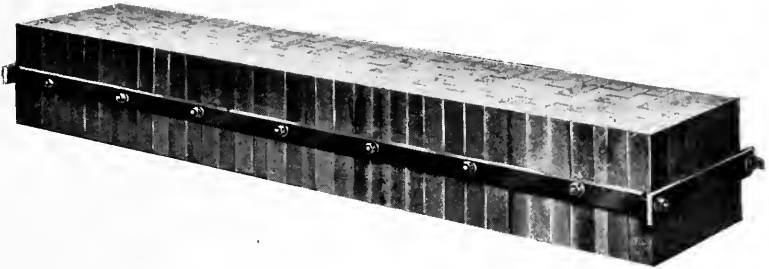
These presses are used for cutting out cycle saddles, cycle tool bags, gear cases, and they are now used in most wholesale saddlery and harness factories, and in railway workshops where leather is used.

3 ft. machine	...	<b>£37 0 0</b>
4     ,,	...	<b>42 0 0</b>
5     ,,	...	<b>47 0 0</b>
7     ,,	...	<b>52 0 0</b>

Receiving pulley for 3 ft. and 4 ft. Presses, 24" x 4½", runs at 225 revolutions per minute.

Receiving pulley for 5 ft. and 7 ft. Presses, 27" x 4½", runs at 225 revolutions per minute.

Press.	Belt.	Net weight.	Gross weight.	Floor space.	Height.
3 ft.	4"	2562 lbs.	2590 lbs.	48" x 70"	68"
4 ft.	4"	2626 lbs.	2660 lbs.	48" x 82"	71"
5 ft.	4"	3506 lbs.	3566 lbs.	50" x 99"	72"
7 ft.	4"	4116 lbs.	4172 lbs.	50" x 123"	74"



## Sectional Press Blocks.

For Revolution Presses.

ONLY the finest quality of American Rock Maple Sectional Press Blocks are stocked. The sections are glued together under great pressure, and each transverse joint is grooved and tongued so that each block is like one solid piece of timber, but is infinitely superior in that it will not split or warp.

		Banded.		Not Banded.
72" x 14" x 10"	...	<b>56/-</b>	...	<b>44/-</b>
52" x 14" x 10"	...	<b>40/-</b>	...	<b>31/-</b>
48" x 14" x 10"	...	<b>37/-</b>	...	<b>29/-</b>
40" x 14" x 10"	...	<b>32/-</b>	...	<b>25/-</b>
28" x 14" x 10"	...	<b>22/-</b>	...	<b>16/6</b>
24" x 14" x 10"	...	<b>19/-</b>	...	<b>14/-</b>
40" x 14" x 6"	...	<b>23/-</b>	...	<b>16/-</b>

When sent by rail blocks should be banded. Half-price allowed for complete sets of bands and bolts, if returned in good condition, carriage paid.



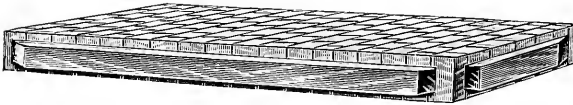
## Circular Press Blocks.

CIRCULAR Blocks are generally used with the No. 2 Rapid Cutting Press, the A1 Buffer Press, and each of the Four-pillar Box-bed Presses. They are also used for cutting out pieces of leather with handled cutters and a mallet. They are made in various sizes, the most usual size being 14" diameter by 3" deep.

Diameter,	Thickness.	Per dozen.	Diameter.	Thickness.	Per dozen.
13"	x 3" ...	<b>9/-</b>	14"	x 3½"	... <b>11/6</b>
13½"	x 3" ...	<b>9/6</b>	14"	x 4"	... <b>13/-</b>
14"	x 3" ...	<b>10/-</b>	14"	x 4½"	... <b>14/6</b>
14½"	x 3" ...	<b>10/6</b>	14"	x 5"	... <b>16/-</b>
15"	x 3" ...	<b>11/-</b>	14"	x 5½"	... <b>17/6</b>
15½"	x 3" ...	<b>11/6</b>	14"	x 6"	... <b>19/-</b>
16"	x 3" ...	<b>12/-</b>			

Other sizes at proportionate rates.

Iron Bands for above sizes ... **3/6** each.



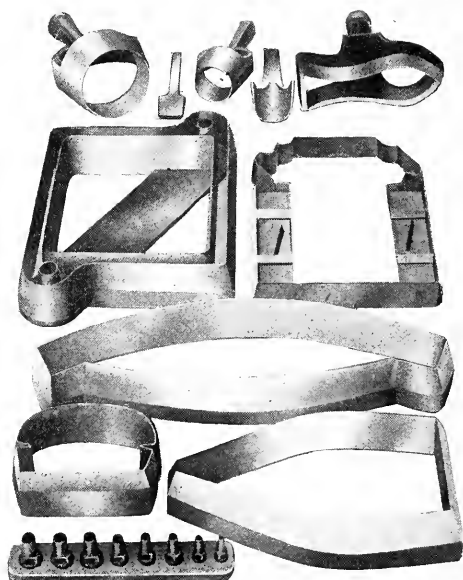
## Hand Cutting Boards.

**T**HE usual size for these boards is 36" long by 18" wide by 4" thick, and the prices below refer to boards of these dimensions.

Larger boards are supplied when required.

Pine Boards—Wood Clamped	...	<b>14 6</b>	each
" " —not Clamped	...	<b>13 9</b>	"
Lime Boards—Wood Clamped	...	<b>15 6</b>	"
" " —not Clamped	...	<b>14 9</b>	"

Clamped Boards are always supplied unless they are ordered without clamps.



## Knives, Cutters and Punches.

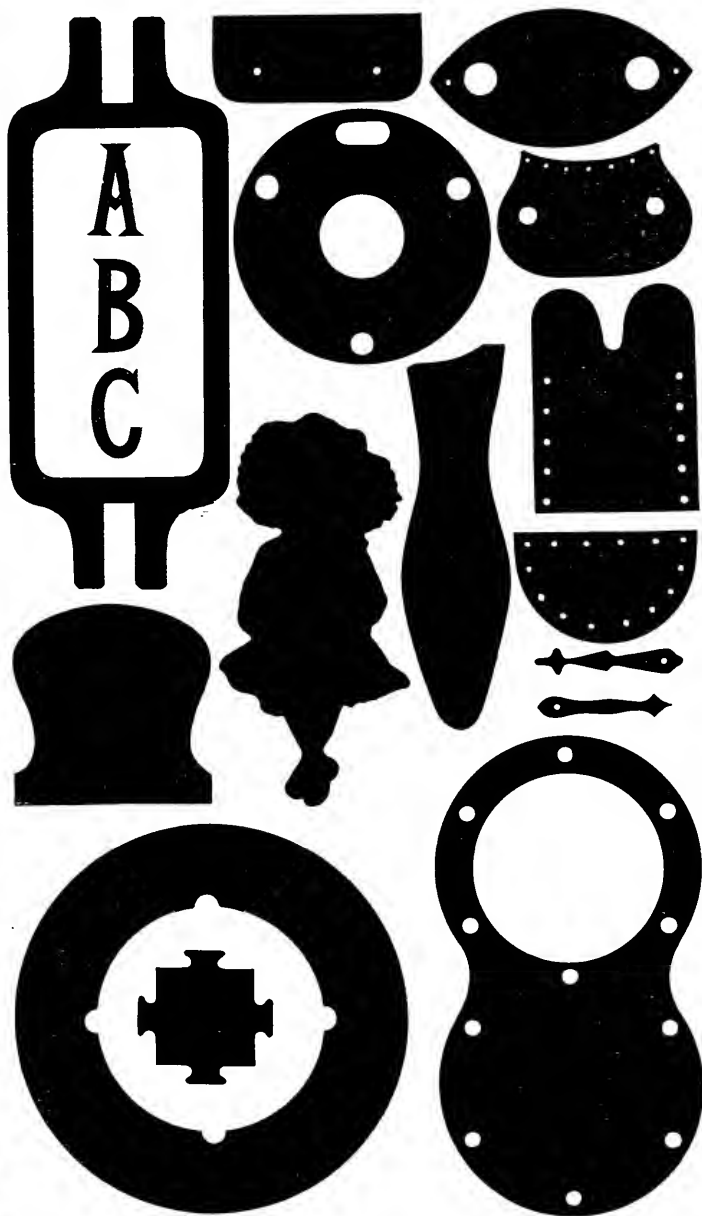
**K**NIFE making is a very important branch of our business. Among the knives we are constantly making, we may mention those for cutting saddle flaps, skirts and eaves, winkers, fronts, carriage pad tops, tugs, safes and crupper bodies and docks, breast plates, martingales, rein billets, hip straps, trace points, buckle chapes, accoutrements, rug straps, bag handles, purses, footballs, brace ends, washers, pump leathers, cycle saddles, tool bags, gear cases, hats, hat boxes, cap quarters and peaks; dress collars, facings, shoulder pads, shields, and many other purposes.

Knives for straps, buckle chapes, brace ends, washers, etc., are frequently fitted with stitch prickers and punches, so that the pieces cut are pricked, punched and cut at the same time.

When required, these knives are made so that the cut piece is automatically ejected, instead of each piece having to be stripped from the prickers, punches, etc., by hand, and thus a very considerable amount of time is saved.

Knives for some of these shapes are sometimes made with handles and used together with raw hide or wooden mallets. These knives are also frequently fitted with prickers and punches.

We shall be glad to quote for any knife or punch on receipt of paper pattern of the shape it is required to cut, and we guarantee the quality and accuracy of all knives or punches we make.

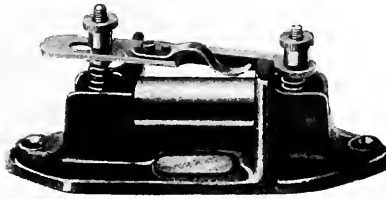


## Press Knives for Fancy Leather Work.



Press Knives for Fancy Leather Work.



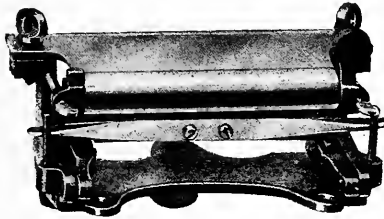


## Bevelling or Skiving Machine.

A handy little machine for skiving straight or waved edges for any purpose. For raised and half-round work it acts splendidly.

Price ... 10/6 each.

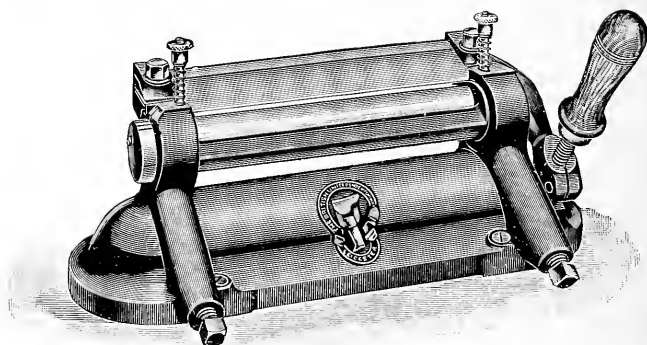
Extra knives, 4/- each.



## Osborne's American Splitting Machines.

THESE machines are used for the same purpose as those described on page 24, but are of a different pattern. We can strongly recommend them as being good, reliable machines.

5" machine	...	...	...	£1 1 0	Extra knife	...	8/6
6" "	...	...	...	1 2 6	" "	...	9/6
7" "	...	...	...	1 4 0	" "	...	11/6
8" "	...	...	...	1 7 6	" "	...	13/6
9" "	...	...	...	1 9 6	" "	...	15/6
10" "	...	...	...	1 13 6	" "	...	16/6
12" "	...	...	...	2 18 0	" "	...	25/-



## Saddlers' Splitting Machines.

THE base of this machine is very substantial and does not spring when a strap or other piece of leather is being pulled through.

The handle is used to open the space between the knife and roll to admit the strap, etc., and is also adjusted to regulate the thickness to which the leather is to be split.

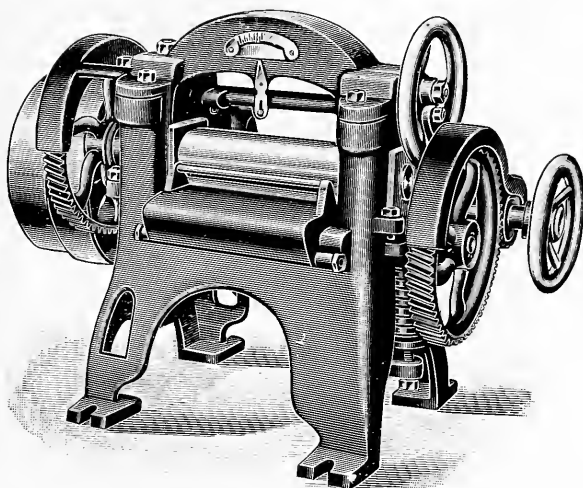
The space between the knife and roll may also be opened by means of a treadle supplied with the machine, by using which both hands are at liberty to control the leather.

One end of the Roll Carrier is graduated to shew the thickness to which the machine is adjusted to split.

The machine is used for splitting or levelling straps, etc., and is also used for cutting tapered ends for splicing.

A guard which also keeps the leather in contact with the roll is not shewn in the illustration. It has been removed in order to shew the knife and roll more clearly.

6" machine	...	...	£1 12 0	Extra knife	...	7/6
8" "	...	...	2 2 0	" "	...	9/6
Net weight.		Gross weight.		Bench Space.		Height.
6" M.c.	16 lbs.		23 lbs.		12" x 10½"	7½"
8" M.c.	19 lbs.		27 lbs.		14" x 10½"	7½"



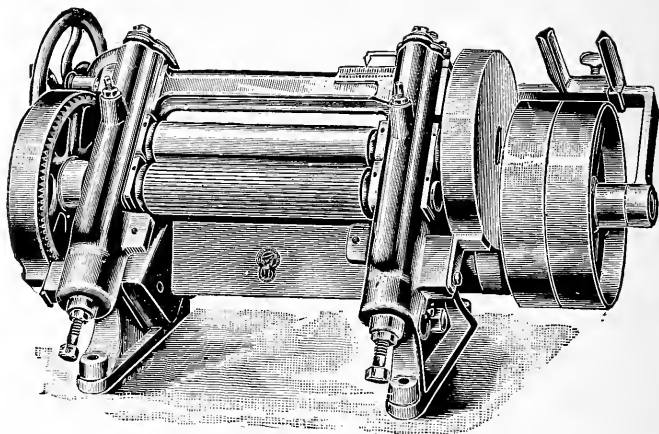
## 7 $\frac{1}{2}$ -inch Summit Splitting Machine.

A common fault with Splitting Machines is that both the knife and frame are too light, and spring when a piece of leather is being split, the result being that the leather is not split evenly. The Summit Splitting Machine is designed to overcome this difficulty, the frame being very substantial and the knife being clamped so that it does not spring under any reasonable condition. An indicator is provided to show the thickness the machine is adjusted to split. The machine is usually made to be driven by belt power, but when required, is also made to be worked by hand.

Price ... **£15 0 0**

Receiving pulley, 10" x 2 $\frac{3}{8}$ ", runs at 240 revolutions per minute.

Belt.	Net weight.	Gross weight.	Bench space.	Height.
2 $\frac{1}{4}$ "	206 lbs.	270 lbs.	27 $\frac{1}{2}$ " x 17"	18"



## New Model Splitting Machines.

THE illustration shews a convenient form of Splitting Machine which is made in 3 sizes for equalizing leather of every description, harness leathers, gig and riding saddle flaps, etc., also made specially for the trunk and bag trades, and for splitting piping, bag-frame leather, etc.

The scale and pointer enable the machine to be readily adjusted to split any required thickness.

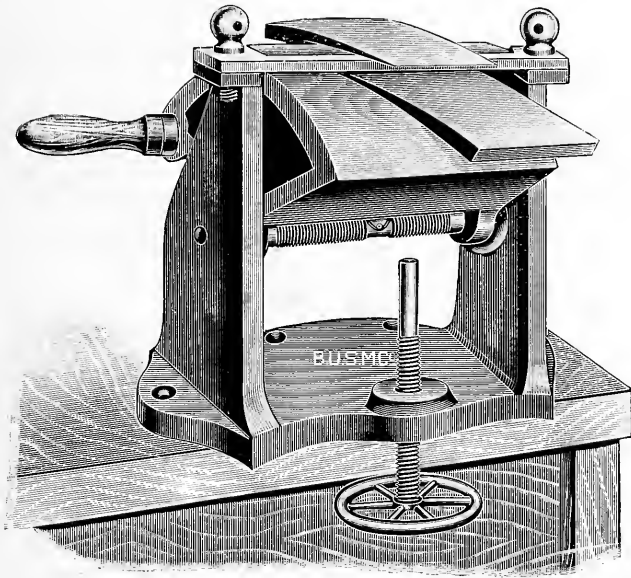
				To work by hand.	To work by power
No. 1.	To split up to 7"	...	...	£6 0 0	£7 0 0
No. 3.	To split up to 13"	...	...	10 0 0	11 0 0
No. 4.	To split up to 19"	...	...	14 0 0	15 0 0

The above prices are for bench machines. Strong iron stand, 20/- extra.

Receiving pulley, No. 1 machine, 9" x 2" runs at 120 revolutions per minute.

" " No. 3 and 4 " 12" x 2" " " "

Belt.	Net weight.	Gross weight.	Bench space.	Height,
No. 1 m/c, 2"	99 lbs.	137 lbs.	17" x 13"	15"
No. 3 m/c, 2"	252 lbs.	322 lbs.	28" x 15"	18"
No. 4 m/c, 2"	328 lbs.	392 lbs.	40" x 18"	18"



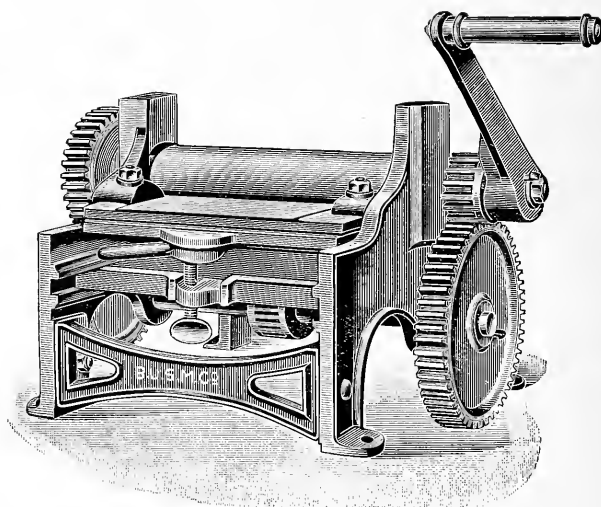
## Osborne's Lap Skiving Machine. Dixon's Patent.

**F**OR cutting tapered ends on straps for splicing, etc. The machine may also be used for splitting straps to a uniform thickness.

The machine is adjustable for cutting splices of various lengths, and is very easily operated.

A pressure bar, not shewn in the illustration, keeps the leather in contact with the cam.

	Price	...	£2 10 0	
Net weight.	Gross weight.	Bench space.	Height.	
15½ lbs.	21 lbs.	10½" x 6½"	8½"	



## Splicing, Scarfing or Bevelling Machine.

THE machine illustrated above is designed for splicing, scarfing or bevelling leather belting for producing a neat joint, uniform in thickness, and with a perfect bevel. The splices are quickly cut, and the machine is adjustable to different lengths of splices.

They are used in the belt making industry, and in factories, mills, workshops, etc., using leather belting. They are made in four sizes.

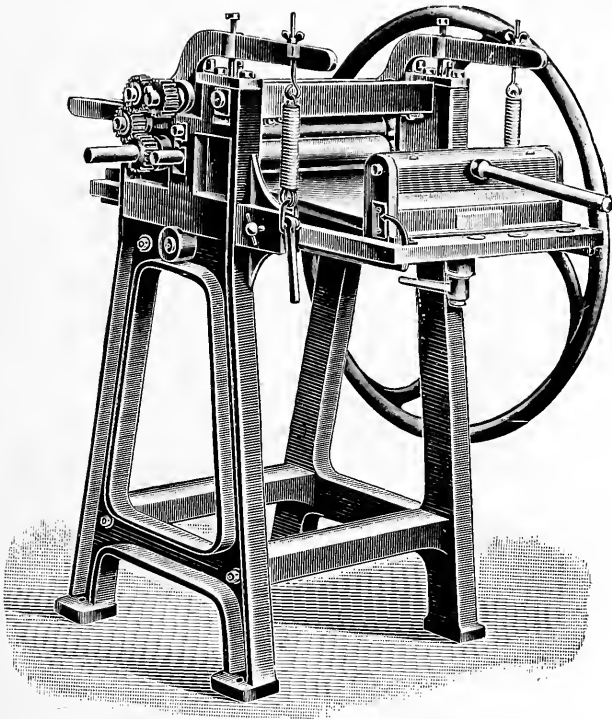
Size of Machine.	Price.	cwt.	Approx. weight.		Gross	lbs.
			Net	lbs.	qrs.	qrs.
Width of knife, 7" single geared ...	£6 0 0	0	3	0	0	3
" " 10" " ...	8 7 6	1	1	8	1	2
" " 10" double geared...	9 10 0	1	1	18	1	2
" " 15" " ...	17 17 6	3	0	26	4	0
" " 24" " ...	28 10 0	7	2	21	9	2

### SPARE KNIVES.

Size of knives.	Price.
7" wide ...	£1 5 0
10" " ...	1 10 3
15" " ...	2 10 0
24" " ...	4 2 6

### SPARE SPRINGS, per pair.

Size of machine.	Price.
7" wide ...	3/-
10" " ...	4/3
15" " ...	6/-
24" " ...	12/-



## Belt Splicing & Leather Splitting Machines.

THE illustration represents a *Combined Splicing and Splitting Machine* with which perfect results may be obtained. Any length of splice may be cut, finished with either a feather edge or any thickness of edge that may be required, *without risk of tearing the leather*.

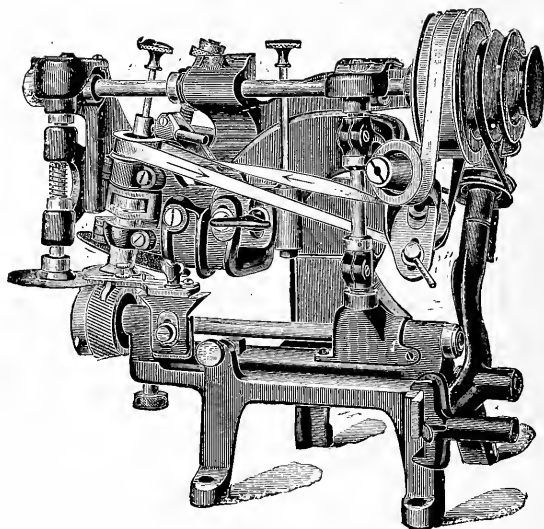
A most useful feature is the arrangement of the knife, which may be sharpened without removing it from the machine.

The necessary adjustments for changing the machine from a splicer to a splitter, or *vice versa*, are effected in a few minutes, and the machine is capable of equally good work for either purpose.

The machines are also made for splicing only, and for splitting only.

		Splicing Machines.	Splitting Machines.	Combined Machines.
4"	...	£17 10 0	£12 10 0	£18 10 0
8"	...	22 10 0	17 10 0	23 10 0
12"	...	27 10 0	22 10 0	28 10 0
16"	...	35 0 0	27 10 0	37 10 0
24"	...	45 0 0	32 10 0	47 10 0
32"	...	60 0 0	50 0 0	62 10 0
40"	...	70 0 0	60 0 0	75 0 0
60"	...	130 0 0	...	135 0 0

The prices are for hand-power machines. Splitting machines from 16" and upwards are also made for belt-power at an extra charge of £5 each for the 16" and 24" machines.



## No. 7 Friction Feed Amazeen Skiving Machine.

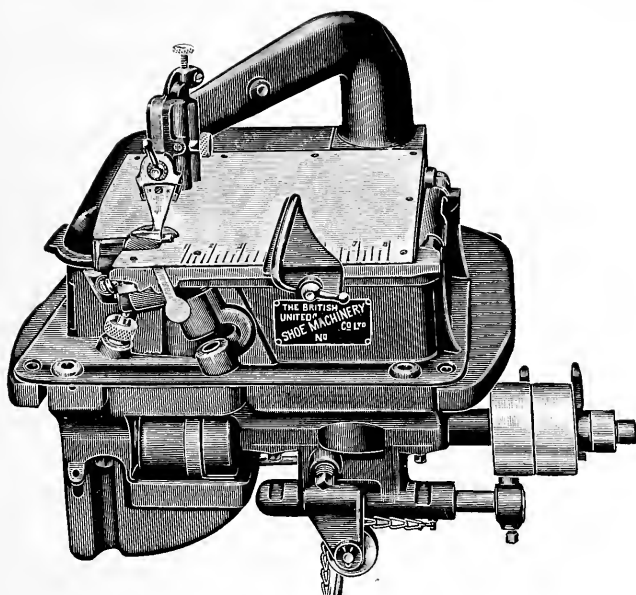
**T**HE knife spindle is driven by a belt and includes a friction device which allows of the knife running at full speed on straight work, and permits of the speed being retarded when skiving curved edges and corners, etc. It is particularly useful for skiving the tops and bottoms of blocked leggings, and any other work when a fine skived edge is required.

Price, with power transmitter ... **£28 10 0**

Receiving pulley,  $1\frac{5}{8}$ " x  $2\frac{5}{8}$ ", runs at 1500 revolutions per minute.

Belt.	Net weight.	Gross weight.	Bench space.	Height.
$\frac{5}{16}$ " round.	50 lbs.	70 lbs.	17" x 11"	16"





## Over-arm Marvel Skiving Machine.

**P**RACTICALLY the whole of the working parts of this machine are enclosed within a substantial cast iron casing which effectually protects them from external injury. Only a small portion of the knife is exposed at the point where the skiving is done, so that there is no risk of injury to the operator from this source.

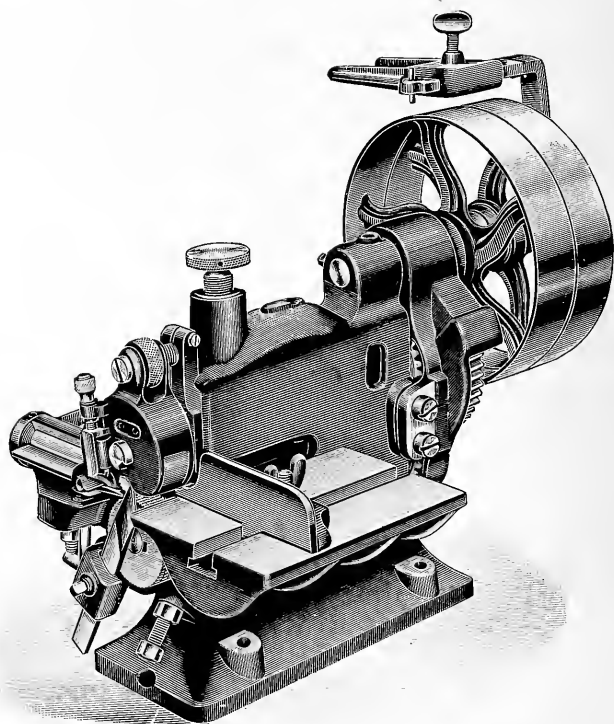
The machine will skive edges, and the scarf may be varied from  $\frac{1}{8}$ " to 1" wide, or a groove may be cut down the middle of a piece of leather up to 16" wide, the width and depth of the groove being varied as required. Two grinding stones are included in the machine which act on both sides of the knife, thus ensuring a perfectly true and keen edge.

The machine is capable of skiving all kinds of leather used in the fancy leather trades, including the finest and softest, and is used for levelling leather to an even thickness.

Price ... .. **£32 0 0**

Receiving pulley, 3" x 2", runs at 1,200 revolutions per minute.

Belt.	Net weight.	Gross weight.	Bench space.	Height above bench.
1 $\frac{1}{2}$ "	110 lbs.	140 lbs.	20" x 14"	12"



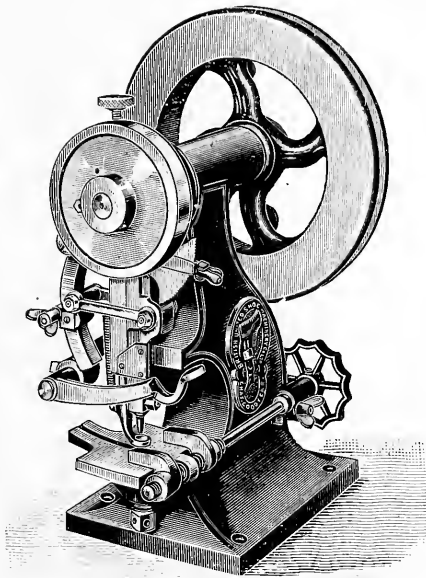
## Universal Skiving Machine.

**S**UITABLE for ranging strips of leather for belting, also for bevelling the edges of stout leather.

Price ... £7 10 0

Receiving pulley, 9" x 2", runs at 130 revolutions per minute.

Belt.	Net Weight.	Gross weight.	Bench space.	Height.
1½"	77 lbs.	125 lbs.	28" x 16"	17"



## Strap Punching Machine.

**T**HE illustration represents a machine for punching holes in straps, etc., which is in general use by leather goods manufacturers. The machine is operated by a hand-wheel, and can also be used by power; round punches from 1 to 10, and oval punches from 19 to 25 are used. The distance between the holes can be regulated as required from  $\frac{3}{8}$ " to 2" apart. Twin guides are provided which are simultaneously adjusted to equal distances on either side of the punch, so that the holes are always punched along the middle of the straps.

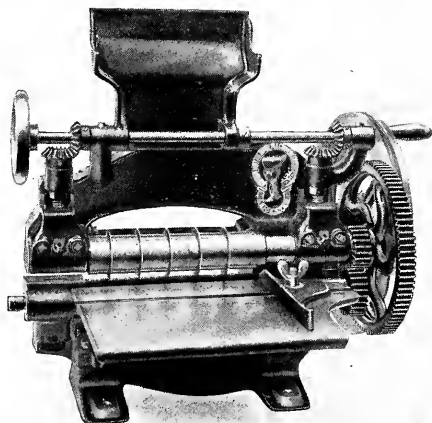
Price, including six punches	...	...	...	£10 0 0
Price, round punches	...	...	each	0 0 8
Price, oval punches	...	...	"	0 1 0
Net weight.	Gross weight.	Bench space.	Height.	
55 lbs.	82 lbs.	16" x 12"	18"	

## Hose Pipe Punching Machine.

**F**OR punching holes along the edges of hose pipe leathers, a special table is provided. With soft material, the leather may be folded and both edges are punched together, thus ensuring perfect register. The distance between the holes, from the edge of the leather, being varied as required. Made for fixing to a bench.

Price, to work by hand	...	...	...	£12 0 0
Price, to work by power	...	...	...	12 10 0
Net weight	...	84 lbs.		

Open end —



## Strap Cutting Machine.

**F**OR cutting large quantities of straps this machine is a great time-saver. It is open at one end so that straps may be cut from a whole hide, and there is absolutely no waste between each strap cut. Makers of leather straps of any description, and of belt laces, will find it a great acquisition. Cloth, plush, etc., may also be cut into strips for binding edges, etc.

By straightening one edge of the hide, the machine will cut at one operation as many strips as the machine has cutters.

The heavy hand-wheel is grooved so that the machine may be operated either by hand or power.

The greatest width the machines will cut is 8", but they are more generally used for cutting straps and laces as per widths given below and intermediate sizes.

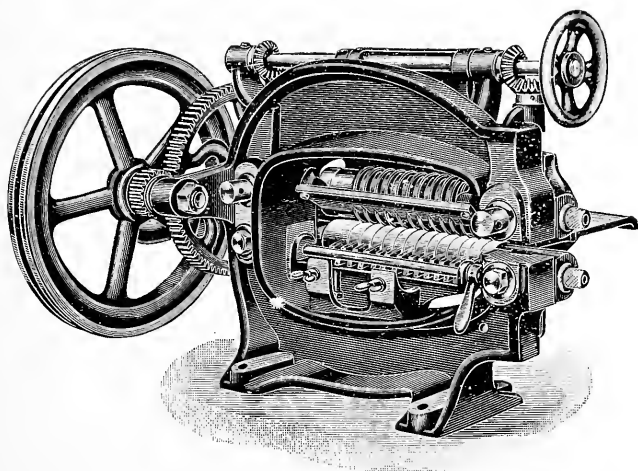
A great improvement has been added to this machine, which enable the rolls and cutters to be changed as required in a few minutes.

Width of Strap.	No. of Cutter.	Machine complete with one set of Cutters.	Extra rolls, per pair complete with Cutters and Stripper.
2" ...	4	£11 10 0	£2 0 0
1 3/4" ...	5	11 15 0	2 3 6
1 1/2" ...	6	12 0 0	2 7 0
1 1/4" ...	7	12 5 0	2 10 0
1" ...	8	12 10 0	2 14 0
3/4" ...	9	12 15 0	2 17 6
5/8" ...	11	13 5 0	3 2 6
1/2" ...	13	13 15 0	3 7 6
3/8" ...	15	14 2 6	3 16 0
1/4" ...	18	14 15 0	4 5 0
1/8" ...	28	16 5 0	5 10 0
1/16" ...	40	18 0 0	6 15 0

When ordering, please send sample strap shewing exact width it is required to cut.

Receiving pulley, 12 1/2" grooved, runs at 90 revolutions per minute.

Round belt.	Net weight.	Gross weight.	Bench space.	Height.
3/8"	145 lbs.	206 lbs.	26" x 22"	14 1/2"



## Strap Cutting Machine.

**T**HE grooves in the lower roll are liable to receive dust and small particles of leather which is compressed by the cutters, and in course of time the grooves become filled with hard compressed dust, etc., which takes off the keen edges of the cutters and sometimes causes them to chip.

To overcome this difficulty we provide "groove cleaning fingers," which are shown in the above illustration. Each finger has a thin blade fixed in it, which enters a groove and scrapes out any dirt that gets into it, and so prevents the groove becoming filled up. The fingers are adjustable to any width, and may be used with any number of change rolls.

## Sewing Machines.

**W**ITH the exception of the No. 4 Leather Belt Sewing Machine, all our Sewing Machines are supplied either on stands, as illustrated, or without stands, so that they may be fixed on a bench and run by power, in which case a **Power Transmitter** is required. The Special Power Transmitter is a simple piece of mechanism by means of which the working of a machine is controlled, the starting of a machine being effected by simply pressing the foot-plate, while releasing the pressure causes the machine to stop instantly.

The No. 4 Belt Sewing Machine is fixed on a stand on which it is worked by power or by treadle.

The following machines are also made to be run by power on their own stands, at an extra cost of 35/- each; Nos. 1 and 2 Saddlers' Machines, 18" Machines, Nos. 1 and 2 Coachmakers' Machines, the A1 Machines, and also the No. 6 Harness Makers' Machines.

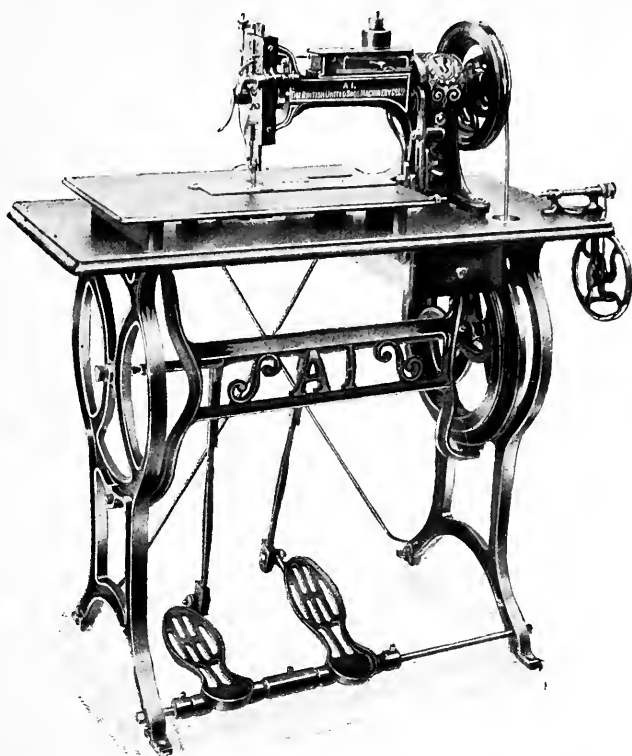
The following price list of Shafting, etc., has been compiled for the convenience of customers who may wish to provide means of running their machinery by power when they are fixed on benches. These parts are always kept in stock.

						s.	d.
1½" Bright Steel Shafting ...	...	...	...	...	per foot	1	0
1½" Bright Collars, with safety set screws ...	...	...	...	...	each	1	0
1½" Adjustable Self-Oiling Bearings ...	...	...	...	...	„	6	0
1½" Couplings, with safety set screws ...	...	...	...	...	„	6	0
Split Grooved Pulleys, according to size, from ...	...	...	...	...	„	1	0

## Spare Parts.

It is always advisable for machines sent abroad, that they be accompanied by an assortment of spare parts, including needles, shuttles, springs, screws, etc., and we are prepared to make up what we consider to be the most useful assortment for from **£1 10 0** to **£2**.

**See pages 44 to 47.**



## A1 Wax-Thread Sewing Machine.

**M**ANUFACTURERS of horse clothing, leggings, footballs, riding saddles, and general harness work, carriage trimming, etc., in all parts of the world are using this machine.

Special presser feet are supplied with the machines according to the work to be done.

**8.3282** The machines use thread up to 5 cord No. 18, and make stitches from 4 to 16 per inch, and sew leather to a thickness of  $\frac{3}{16}$ ".

**8.3282** The A1 Special Machine, for light saddlery and harness, has interchangeable pricking feet similar to those on our well-known "No. 6 Machine." For general repair work the machine is indispensable.

The accessories supplied include a special binding gauge which is capable of turning wide binding equal on both sides or wider on the top or bottom, as may be required.

The A1 Ordinary Machine is provided with bottom feeder only, and with a non-vibrating presser foot, it is used on army accoutrements, leggings, and any light leather work.

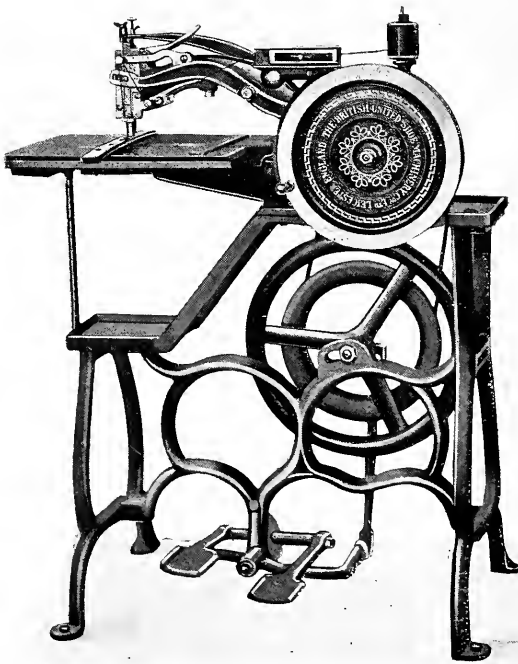
The Coach and Carriage Builders' Machine is specially made for plain sewing, welting, lace cording, cushion making, etc.

The A1 Ordinary Machine, for accoutrements, leggings, etc., on stand	£10 10 0
" " " for light saddlery and harness ...	12 10 0
" " " for horse clothing, rugs, etc. ...	12 0 0
" " " for coach and carriage builders, etc. ...	14 10 0

Any of the above supplied without stand, deduct	1 10 0
No. 6 Power Transmitter, see page 36 ...	1 5 0

Double-grooved receiving pulley, 6" and 4", runs at 500 to 600 revolutions per minute.

Net weight.	Gross weight.	Floor space.	Height.
M/c head 47 lbs.	67 lbs.	33" x 17"	41"
M/c stand 101 lbs.	140 lbs.		



## No. 1 Wax Thread Sewing Machine.

For Coach and Carriage Builders.

**T**HIS machine is fixed on a special stand for sewing the outside and inside rows of wings and dashes (it will not sew centre bars). Brougham seat borders can be welted in 30 to 35 minutes; an apron in 50 to 60 minutes; a head valance in 30 to 45 minutes; a pair of brougham door wings can be sewn in 30 to 40 minutes; a brougham dash can be sewn (with exception of the middle bar) in 30 to 45 minutes.

A wax pot is included for waxing thread with cold wax solution, or the thread may be used dry, as required.

Price of machine on special stand for treadle, and complete with all necessary appliances to suit above-mentioned work ... **£18 10 0**

*Note.* This machine is also provided with the necessary appliances to do the work of the A1 machine (see page 37).

Arranged to work by both foot and power, extra ... **1 15 0**

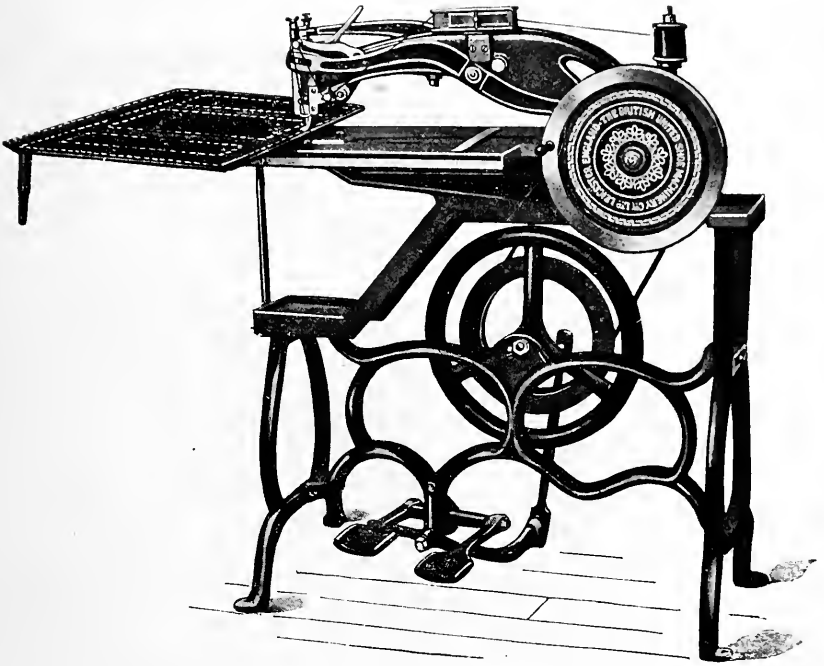
Without stand, to fix on a bench, deduct ... **2 0 0**

No. 6 Power Transmitter (see page 36) ... **1 5 0**

Receiving pulley, 6" and 8" diameter, runs at 300 to 400 revolutions per minute.

Belt.	Net weight.	Gross weight.	Floor space.	Height.
3" round	Head 97 lbs.	217 lbs.	32" x 19"	44"
	Stand 216 lbs.	244 lbs.		





## No. 2 Wax Thread Sewing Machine.

For Coach and Carriage Builders.

THIS machine is the same in general principle to No. 1, but is made stronger and has a clear space of 18" under the arm, thus enabling centre bars of dashes and wings to be sewn up to that distance from the edge. Will also sew welting.

A wax pot is provided for waxing the thread with cold solution wax, or the thread may be used dry, as required.

Price of machine on special stand for treadle	...	...	£21 10 0
Arranged for both power and treadle, extra	...	...	1 15 0
Without stand, to fix on bench, deduct	...	...	2 0 0
No. 6 Power Transmitter, to suit any bench (see page 36)	...	...	1 5 0

Receiving pulley, 6" and 8" diameter, runs at 300 to 400 revolutions per minute.

Belt.	Net weight.	Gross weight.	Floor space.	Height.
$\frac{3}{8}$ " round	Head 120 lbs.	217 lbs.	38" x 19"	44"
	Stand 216 lbs.	244 lbs.		

## **Nos. 1 and 2 Saddlers' and Harness Makers' Sewing Machines.**

**T**HE ordinary No. 1 Machine was the first machine invented for using waxed threads, and a large number of them have been sold for sewing saddlery and harness, bags, footballs, dashes, wings, canvas belts, etc.

All these machines are very strongly made, and are of simple construction, so that anyone unaccustomed to sewing machines may soon learn to work them satisfactorily. Many of them are being worked by women and girls.

*The No. 1 Ordinary Machine* is provided with a bottom feeder only, and a vibrating presser-foot. It is a good machine for sewing plain work, such as wickers, flat and rounded straps, light traces up to  $\frac{3}{8}$ ths of an inch thick, etc., Special pricking-up feet, such as are used with the Nos. 1 and 2 Saddlers' and Harness Makers' Machines cannot be used on this machine.

*The No. 1 Saddlers' and Harness Makers' Machine* is provided with both top and bottom feeders working in unison, by which arrangement two or more thicknesses may be sewn together without risk of them sliding or moving out of position in relation to each other.

Special pricking-up feet are supplied with this machine, by means of which each stitch is pricked up or moulded as it is made, and the sewing produced has a very handsome appearance.

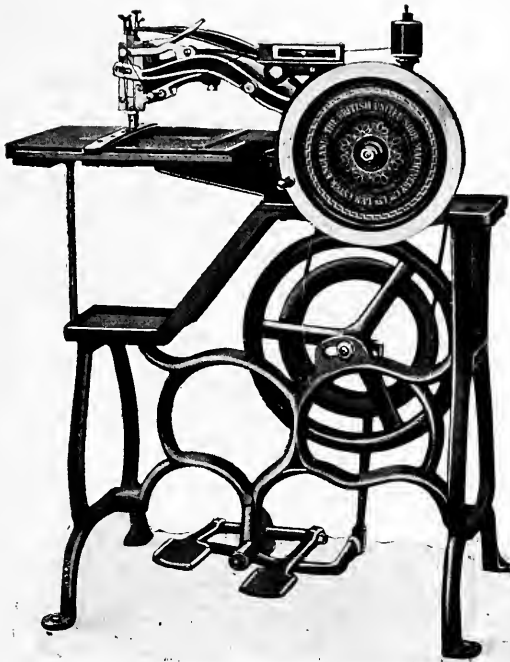
This machine will do all the work that can be done by the No. 1 "Original" Machine, and will sew traces up to nearly half-an-inch in thickness.

*The No. 2 Saddlers' and Harness Maker's Machine* is very similar to the No. 1 Machine, but it has a heavier cam wheel and the needle has a longer stroke. It is not quite so suitable for light work as the No. 1, but is better for heavier work.

The speed of the above machines is about 400 stitches per minute, and the sizes of thread vary from 3 to 8 cord No. 18.

Either of the above machines may be provided with our Hard-Wax Apparatus.

A similar machine to these provided with both top and bottom feeders is made with an 18" arm, for sewing splash boards, trunks, dress baskets, etc.



## Nos. 1 and 2 Saddlers' and Harness Makers' Sewing Machines.

No. 1 Ordinary Wax-Thread Machine	...	...	...	£12 10 0
No. 1 Saddlers' and Harness Makers' Machine	...	...	...	14 0 0
No. 2 Saddlers' and Harness Makers' Machine	...	...	...	14 0 0
Machine with 18" arm	...	...	...	20 0 0

If supplied without stand, less ... £1 15 0

No. 6 Power Transmitter, see page 36 ... 1 5 0

Either of the above machines can be fitted with our Patent Bottom Hard Waxing Apparatus at an extra charge of £4.

If the Hard Wax Apparatus is required, state particularly whether it is to be heated by gas or lamp.

Double-grooved receiving pulley, 6" and 8", runs at 300 to 400 revolutions per minute.

Net Weight.	Gross Weight.	Floor space.	Height.
M/c head 98 lbs.	217 lbs.	32" x 19"	44"
M/c stand 216 lbs.	244 lbs.		

## No. 2 Trunk and Bag Makers' Sewing Machine.

For illustration see pages 39 and 41.

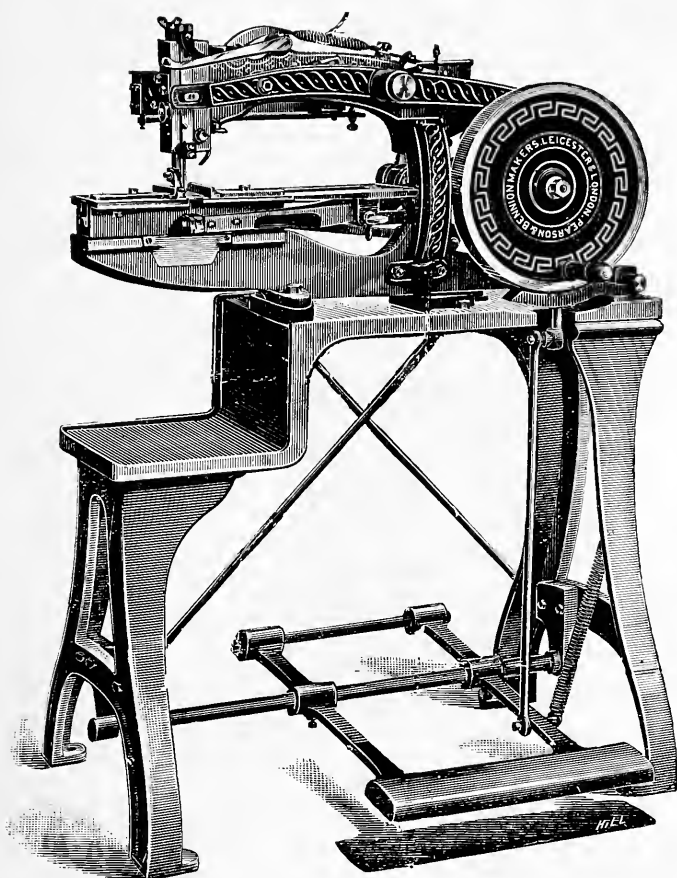
**T**HIS machine is similar to the No. 2 Saddlers' Machine, and is used for general trunk work, etc. Overland trunk, Gladstone and brief bag handles are very successfully sewn, as also are welting, binding, and piping. The machines are made to use a broad-pointed needle, which makes a long, slanting stitch—the stitch that trunk makers prefer.

Price of Machines on Stand for treadle:—

11" Arm	...	...	...	...	...	...	<b>£14 10 0</b>
18" Arm	...	...	...	...	...	...	<b>20 0 0</b>

Double-grooved receiving pulley, 8" and 6", runs at 300 to 400 revolutions per minute.

Belt.	Net weight.	Gross weight.	Floor.	Height.
$\frac{3}{8}$ " round.	11" M/c head 95 lbs. 11" M/c stand 158 lbs.	144 lbs. ) 196 lbs. )	32" x 19"	44"
$\frac{3}{4}$ " round.	18" M/c head 161 lbs. 18" M/c stand 158 lbs.	217 lbs. ) 196 lbs. )	38" x 12"	44"



## No. 4 Leather Belt Sewing Machine.

Price, complete, as illustrated, with waxer, shuttle reel winder, and all necessary accessories, for belt power	...	...	...	£60	0	0
Price, to work by foot power	...	...	...	60	0	0
Price, to work by both foot and power	...	...	...	62	0	0

Receiving pulley,  $8\frac{1}{4}$ ", runs at 200 revolutions per minute.

		Net weight,	Gross weight.	Floor space.	Height.
Machine head	...	385 lbs.	487 lbs.	49" x 32"	59"
Machine stand	...	360 lbs.	460 lbs.		

All necessary accessories included.

*Note.* When ordering, state whether for gas or oil.

See pages 44 to 47.

## Nos. 4 and 6 Belt Sewing Machines.

THE No. 4 Machine, as illustrated on page 43, is a very strong and powerful machine which will sew from a single thickness of leather up to one inch thick, and is suitable for using thread from 10 cord to 20 cord No. 18. It is provided with a Hard-Wax Apparatus of which two styles are made, one to be heated by gas, while the other is heated by a petroleum or kerosene lamp. *Orders should state particularly which method of heating the wax apparatus is required.*

The feeding is accomplished by means of an awl, and there is no marking of the leather on either side. The shuttle is very large and the design of the machine is such that the shuttle thread is used to the best advantage. A single reelful is sufficient to sew from 30 to 50 feet of double belting according to the thickness of the belt and the size of thread used.

The accessories supplied with each machine include a separate waxer and winder for shuttle reels so that the reels may be wound independently of the machine.

The length of arm is such that the machine will sew in the MIDDLE OF A BELT 30 inches wide.

Some belt makers prefer the No. 6 Machine, which is made on the needle feed principle. The length of arm is such that the machine will sew in the middle of a belt 24 inches wide. For light belting the No. 6 Machine is much faster than the No. 4 Machine.

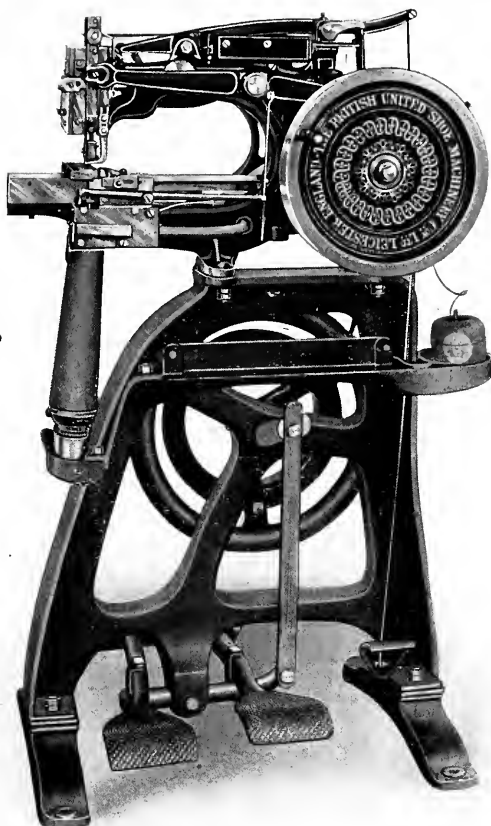
Both machines will sew belts which have been raced or belts which have not been raced. In the latter case, the stitches are pressed into the leather to such an extent that there is no risk of them wearing through. Both machines are made for power driving or to be worked by treadle, as may be required, and they are also made to be worked by both methods, which is sometimes an advantage. These machines are easy to operate, and their adjustments are simple. They cost very little in repairs.

We shall be glad to sew customers' samples on either of these machines or to shew them in operation at our works, by appointment.

These machines are being used by the principle makers of leather belting in Great Britain and abroad.

**See pages, 43, 45, 46, and 47.**

Oil  
Lamp



## No. 6 Harness Makers' Sewing Machine.

Price, complete, as illustrated, fitted with bottom (or dipping) waxing apparatus, thread winder, and usual accessories	...	...	£30	0	0
Price, complete, but fitted with patent top waxing apparatus (see page 47)	...	...	35	0	0
Price, complete, without hard waxing apparatus, to sew with dry thread or solution	...	...	27	0	0
Without stand, and to fix on a bench, deduct	...	...	2	0	0
No. 6 Transmitter to suit any bench, extra (see page 36)	...	...	1	5	0
Power Transmitter fixed to stand so that the machine may be worked either by treadle or power	...	...	1	15	0

*Note.*—When ordering state particularly whether for gas or lamps.

Receiving pulley, 8" and 6" diameter, runs at 300 revolutions per minute.

Net weight.	Gross weight.	Floor space.	Height.
M/c. head 147 lbs.	203 lbs.	34" x 18"	49"
M/c. stand 172 lbs.	224 lbs.		

## **No. 6 Saddlers' and Harness Makers' Sewing Machine.**

**T**HE large number of these machines which we have disposed of bear excellent testimony as to their stability, and also to the quality of work they are capable of doing.

They are being constantly being despatched to all parts of the world, including every country in Europe, Canada, the United States of America, Australia, New Zealand, South Africa, Egypt, China, Japan, South America, etc.

A Patented Stand makes it easy to treadle, and an Improved Table for supporting the work is provided. This table can be instantly removed if necessary.

The feeding is accomplished by means of the needle, which, after penetrating the work, moves it along the length of a stitch. By this means the undesirable marking caused by corrugated feeders and presser-feet is entirely avoided. Special means are adopted to prevent the needle from springing or breaking while feeding.

The length of stitch may be varied from 4 to 12 to the inch, and the change from one length of stitch to another is instantly effected.

Any thickness of leather, from a single thickness up to three-quarters of an inch, may be sewn without any alteration of tensions.

The shuttle is made as large as possible, and will hold sufficient thread to sew round the longest trace, and the machine is so designed as to use the shuttle-thread to the best advantage.

The size of threads the machine will use range from 3 to 10 cord No. 18, and the thread-locking device will lock any thickness of thread equally well.

The machines, when required, are supplied with a patented Top Waxing Apparatus, by means of which the thread is waxed before it reaches the needle, and so efficiently does it wax the thread that there is no difficulty in meeting the requirements of Government Inspectors of Army work in this respect.

The Waxing Apparatus is generally heated by gas-jets, and a water jacket which surrounds the wax pot effectually prevents the wax from being burnt. When required, the Waxing Apparatus is made so that it may be heated by a petroleum or kerosene lamp.

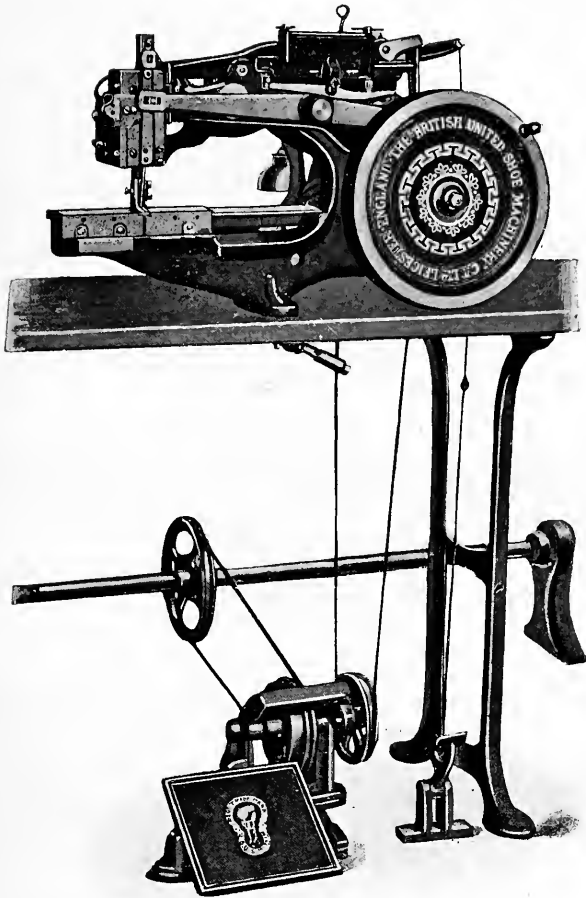
Provision is made in each machine for using cold solution wax.

A separate winder, by means of which dry or waxed threads may be wound on to the shuttle reels, is supplied, so that the shuttle reels may be wound independently of the machine.

The speed of the machine, when worked by foot, is as fast as the operator can work it, and, when worked by power, thick traces may be sewn at the rate of 300 stitches per minute, while for light work the speed may be increased to 360 stitches per minute.

A very large proportion of the saddlery and harness work made in Great Britain is being sewn on these machines, and they are also used by the leading saddlery and harness makers, 'bus, tramway, and railway companies throughout the world.





## No. 6 Harness Makers' Sewing Machine.

THE illustration represents the machine fixed on a bench and provided with our patent Top Waxing Apparatus, and with a No. 6 Power Transmitter fixed to the floor.

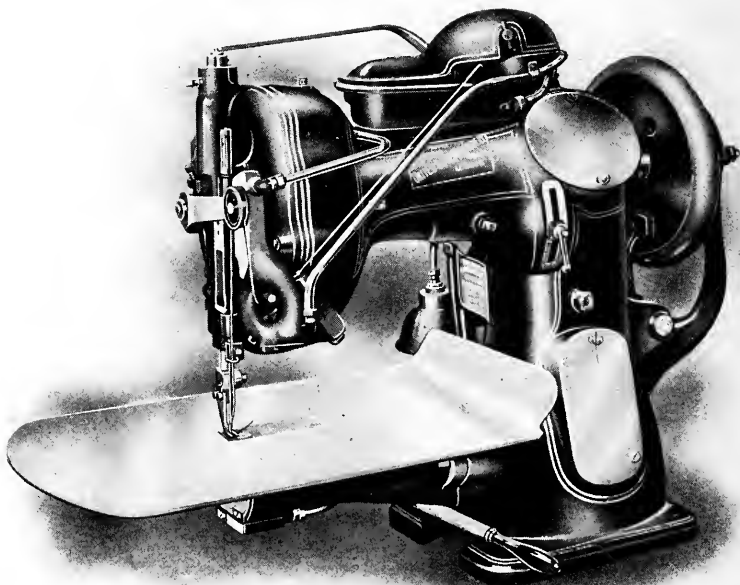
Price	...	...	...	...	£33 0 0
No. 6 Power Transmitter to suit any bench	...	...	...	...	1 5 0

Receiving pulley, 8" and 6" diameter. runs at 300 revolutions per minute.

Belt.	Net weight.	Gross weight.	Bench space.	Height.
2 1/2" round.	147 lbs.	203 lbs.	29" x 16"	17"

Always state whether to be heated by gas or oil.

See pages 44, 45, and 46.

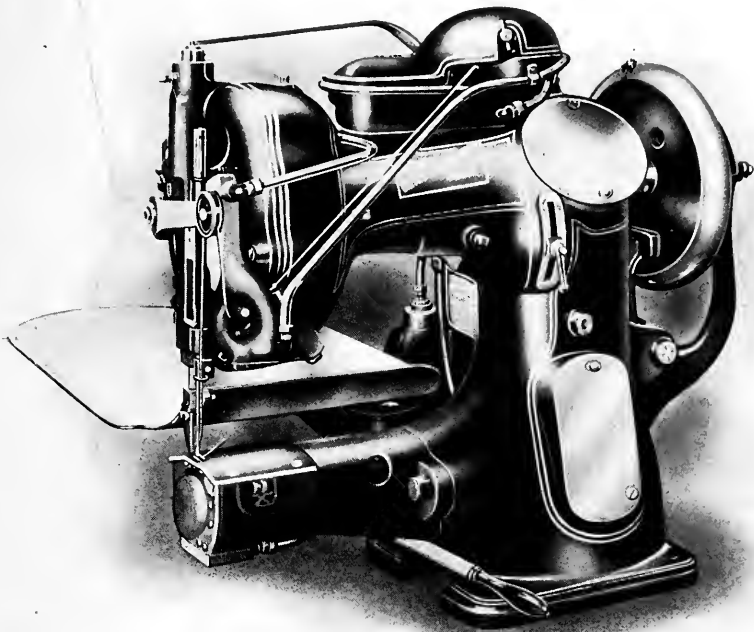


## Pilot Sewing Machine.

**T**HE Pilot Sewing Machine has been designed for sewing a large range of leather work with a dry thread, or thread waxed with cold liquid wax or melted hard wax. The machine will use thread from 3 Cord No. 30, to 7 Cord No. 18, and will sew leather from  $\frac{1}{16}$ " thick to  $\frac{7}{16}$ " thick.

The iron table which is used when sewing flat work may be instantly swung away from the arm when it is desired to use the machine for sewing shaped work.

The arm has a clear length of  $10\frac{1}{2}$ " and a clear height of  $6\frac{1}{2}$ ". The needle works close up to the end of the arm so that sewing may be done in corners which it is impossible to reach with ordinary sewing machines. The machines are being used for sewing saddlery and harness; trunks, bags, and portmanteaux; for closing army and football boots, and for sewing footballs, etc. The machine is also provided with a heating apparatus for melting hard wax for waxing the thread, and with a transmitter for power driving.



## Pilot Sewing Machine.

Our claims for this machine include:—

PERFECT WAXING OF THE THREAD.	AUTOMATIC NEEDLE FEED.
PERFECT LOCKSTITCH.	AUTOMATIC TENSION.
PERFECT HEATING APPARATUS.	AUTOMATIC THREAD MEASURING.

Machine complete for fixing to a bench—for using dry thread, solution wax and hard wax	... ..	£30 0 0
Machine complete for fixing to a bench—for using dry thread only ...	27	0 0
Machine complete on stand—for using dry thread, solution wax and hard wax	... ..	33 0 0

Receiving pulleys, 3" x 4" diameter, speed 350 to 500 revolutions per minute.

Belt.	Net weight.	Gross weight.	Bench space.	Height.
$\frac{3}{4}$ " round.	205 lbs.	259 lbs.	31" x 12"	21"

Packing case measures 33" x 24" x 23".

## Needles.

### THE **IVI** BRAND.

**A**S the results of experiments extending over some considerable time we have now adopted a special make of needles for all our Harness Sewing Machines.

The difference between the new and old needles is in the formation of the grooves, eyes and points, together with a more careful testing of the steel from which the needles are made.

The superiority of our new needles is evidenced by their longer wear, and in the fact that a smaller needle may be used for the same size of thread than in any other make of needle; particularly is this the case when using fine thread.

Also, by the introduction of new and improved machinery, the production of some of these needles has been cheapened and we are able to offer them at a lower price than formerly.

*NOTE.—All our needles are put up in packets bearing our well-known Registered Trade Mark.*

						Per gross.	Per doz.
A1 Wax Thread Machine Needles	...	...	...			£0 13 0	1/2
No. 1     "     "     "	...	...	...			0 17 0	1/7
No. 2 and No. 5     "     "	...	...	...			0 18 0	1/8
No. 6     "     "     "	...		sizes 3 to 7			0 18 0	1/8
No. 6     "     "     "	...		sizes 7½ to 9			1 1 0	2/0
No. 4 Millband Machine Needles	...	...	...			1 17 6	3/3
"     "     "     "     awls	...	...	...			1 1 0	1/11
Pilot Wax Thread Sewing Machine Needles	...	...	...			0 15 0	1/4



## Machine Threads.

**T**HE best of Sewing Machines will fail to make good sewing if threads and needles of poor quality are used for them. The strength of the sewing depends upon the quality of the thread used, and it is not too much to say that the needle is the most important part of a sewing machine.

We are continually testing the quality of both needles and thread by using them in our machines and by other methods, and take every possible precaution to ensure stocking only those of the highest possible quality, and guarantee all our threads and needles to be of the best quality obtainable.

### Prices of "Saddle and Boot" Brand Threads.

Black and Grey, 3 to 12 Cord.

Number	16	18	20	22	25	30	
On 4 oz. spools ...	44/-	46/-	48/-	51/-	54/-	58/-	per
In Balls ...	41/-	43/-	45/-	48/-	51/-	55/-	doz. lbs.

Orange and Yellow Threads, 2/- per dozen pounds extra.

(Thread put up in 3 lb. packages.)

No. 3 and 4 Cord ...	...	...	...	...	$\frac{1}{4}$ lb. Balls.
No. 5, 6, and 7 Cord ...	...	...	...	...	$\frac{1}{2}$ "
No. 8, 9, and 10 Cord...	...	...	...	...	1 "

## Millband Thread.

10 to 20 Cord No. 18 in balls, soft spun	...	...	30/- per doz. lbs.
" " on 5 lb. cops, cabled	...	...	33/-



## Pearson's Wax Solution.

FOR WAX THREAD SEWING MACHINES, IN QUART TINS AT 1/6.

This Solution has been manufactured by us as a Speciality for 30 years. It is very rich in pitch and dries hand and waxlike.

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## Pearson's Special Machine Oil.

Put up in Quart Tins, for Sewing Machines.

Price ... 1/6.

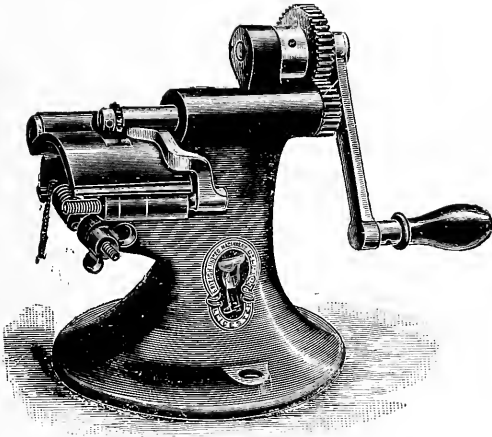
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## Machine Wax.

FOR WAXED THREAD SEWING MACHINES.

Ordinary Brown Machine Wax in 28 lb. tins	...	...	2½d. per lb..
Best Black Machine Wax, in packets	...	...	3½d. "
" Brown " " "	...	...	2½d. "
" White " " "	...	...	4d. "

White Wax can be used with Black, White, or Coloured Threads.



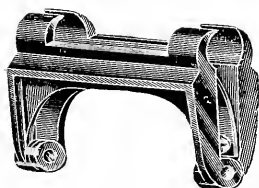
## New Model Stitch Pricking Machine.

A special feature of this machine is the small diameter of the prick wheels by which both straight and curved edges are marked. The machine is provided with an adjustable gauge to regulate the distance of the pricking from the edge, and will take any thickness of strap or trace, &c. The prick wheel may be changed in a few seconds.

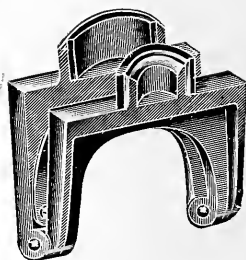
Price (with one wheel) ... **£3 10 0**

Prick wheels, **2/6** each.

Net weight.	Gross weight.	Bench space.	Height.
42 lbs.	60 lbs.	11" x 7"	9"



Iron Jaws for Round Reins.



Iron Jaws for Shaft Tugs.

## Stitching Horse.

STITCHING Horses are now in general use, and their superiority over old-fashioned clamps held between the knees is very evident. The work is held with a firm grip, and the workman is freed from the cramped position unavoidable when using knee clamps. The result is that more and better work can be done within a given time.

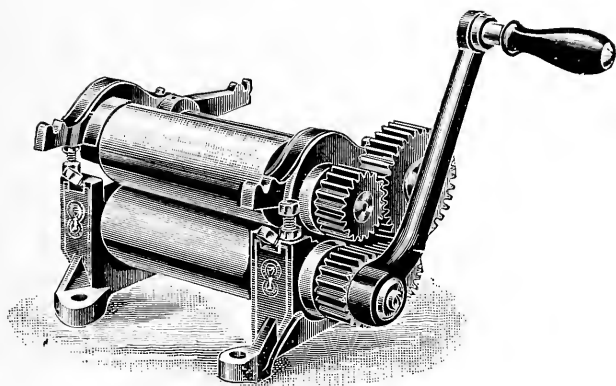
Price, complete as illustrated	...	...	...	...	£0 15 0
" with side seat for women	...	...	...	...	0 18 0
" extra iron jaws for round reins, etc.	...	...	...	...	0 3 6
" extra iron jaws for shaft tugs	...	...	...	...	0 5 0

Net weight,  
20 lbs.

Floor space,  
25" x 17"

Height,  
38"



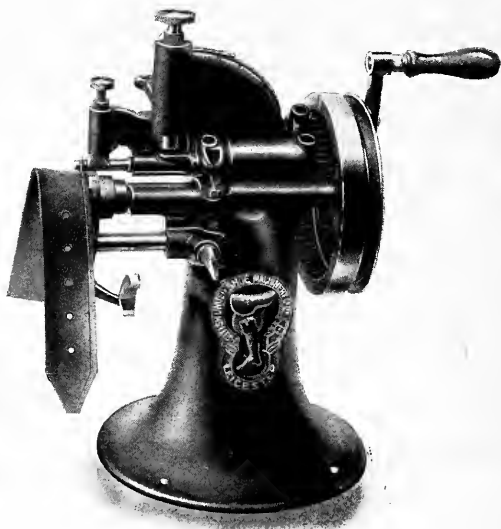


## Slicking Rolls.

**T**RACES, straps, etc., are very much improved in appearance by being passed through these rolls after they have been sewn. The pressure is put on by means of a foot-lever. The arrangement of the wheels is such that any thickness of strap may be passed between the rolls without risk of the wheels being lifted out of gear with each other. The rolls are also used for graining small pieces of leather with fish-skin or copper plate.

Price, complete with treadle      ...      **£4 0 0**

Net weight, 36 pounds.



## No. 2 Wheel Creasing or Veining Machine.

A very decided improvement in creasing is obtained by using a machine with a "live" creasing wheel as arranged in the machine illustrated. The crease wheel revolves at a greater speed than the feed roll, and thus produces a highly polished crease or vein. The machine is used for cycle saddles, gear cases, straps, brace ends, purses, &c., &c. The large gear wheel is grooved for power driving, or the machine may be turned by hand.

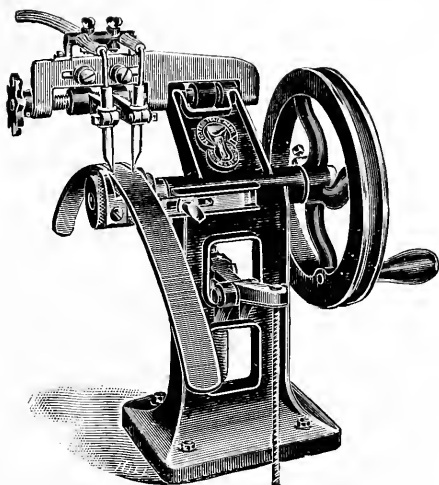
Price ... **£5 5 0**

Extra veining wheels, single, 1/-; double, 1/6; treble, 2/-.

*Note.*—We carry a stock of single, double, treble, and bevel wheels in sizes (1) fine; (2) medium; (3) coarse.

When ordering be particular to state size and style.

Net weight.	Gross weight.	Bench space.	Height.
25 lbs.	36 lbs.	15" x 11"	15½"



## Straight Iron Creasing or Veining Machine.

**B**RACE ends, purses, rug straps, trunk straps, flat straps, etc., are creased on this machine.

The creases are made at any required distance from the edge, and for straight work, two or four crease or vein marks made be made simultaneously. Different kinds of veining irons can be used by changing the irons. Ornamental rollers, such as are used by trunk makers, are also used. The irons are heated by gas, each iron being provided with its own gas burner, and the temperature of the irons may be regulated to a nicety.

The heavy hand wheel is grooved so that the machine may be driven by power when required.

Price ... .. **£5 5 0**

Extra irons, **2/6** each.

*Note.* When ordering veining irons be particular to state size and style. We carry a stock of single, double, treble, and bevel, in sizes (1) fine; (2) medium; (3) coarse.

## Osborne's Round Edge Creasing Machine.

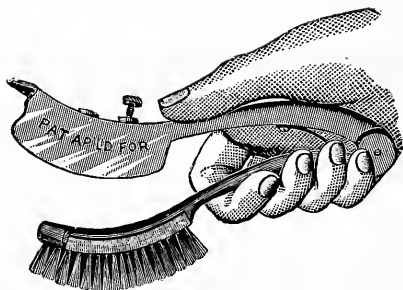
**S**INGLE straps are run through this machine which forms a single crease on each edge, and at the same time rounds or moulds the edges. Admits straps  $\frac{1}{2}$ ",  $\frac{3}{8}$ ",  $\frac{3}{4}$ ", 1", 1 $\frac{1}{8}$ ", 1 $\frac{1}{4}$ ", 1 $\frac{3}{8}$ ", 1 $\frac{1}{2}$ ".

Price (without gas burner) ... **£5 0 0**

A similar machine for creasing stitched work, same dimensions and price.

Net weight.  
42 lbs.

Gross weight.  
60 lbs.

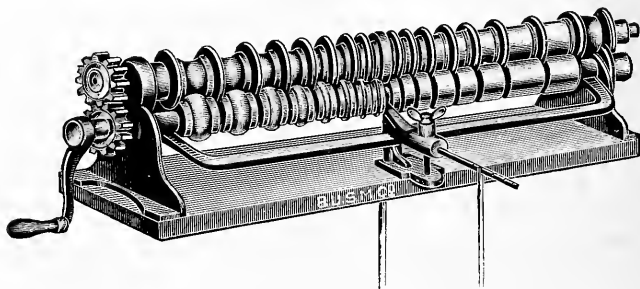


### Inking Brush with Guard.

THE guard springs away from the brush so that it is not soiled when the brush is dipped in the ink or stain. The screw in the guard allows it to be adjusted so that more or less of the brush projects beyond the guard as may be required. By using the guard the ink is applied where it is wanted, and the adjacent parts are kept clean.

Price, complete ... 5/- each.

Re-fills, 6d. each.



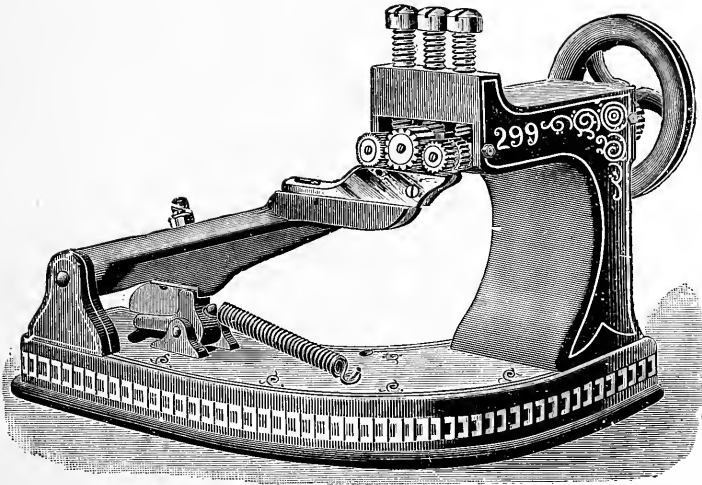
### Osborne's Creasing Machine.

(Bellow's Patent.)

THE upper roll is of steel. One half is made for creasing flat straps of various widths, and the other half is for rounded straps. The rolls for flat straps are  $\frac{1}{2}$ ",  $\frac{3}{8}$ ",  $\frac{3}{4}$ ",  $\frac{7}{8}$ " wide with single crease, and 1",  $1\frac{1}{8}$ ",  $1\frac{1}{4}$ ", and  $1\frac{1}{2}$ " wide with double crease, and for rounded straps the same widths from  $\frac{1}{2}$ " to  $1\frac{1}{2}$ " all arranged for double crease.

The lower roll is of wood, and presses the straps into the upper roll, the pressure being regulated by a treadle.

	Price	...	£6 10 0	
Net weight.	Gross weight.	Bench space.	Height.	
40 lbs.	52 lbs.	30" x 15"	11"	



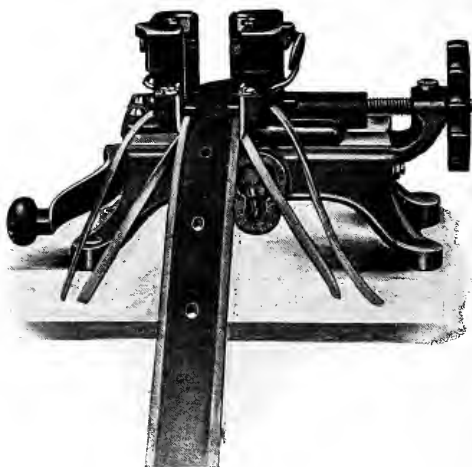
## Union Seam Finishing Machine.

**T**HIS machine cuts out welts and rubs down seams at one operation. It will also rub down seams without a welt. Used by legging and football manufacturers.

Price of machine as illustrated...	...	...	...	£12 0 0
Ditto	with power transmitter and driving pulley			13 12 0

Receiving Pulley,  $4\frac{1}{2}$ " grooved runs at 400 revolutions per minute.

Belt.	Net Weight.	Gross Weight.	Bench Space.	Height.
$2\frac{3}{4}$ " round.	65 lbs.	90 lbs.	18" x 14"	12"



## Trace Trimming Machine.

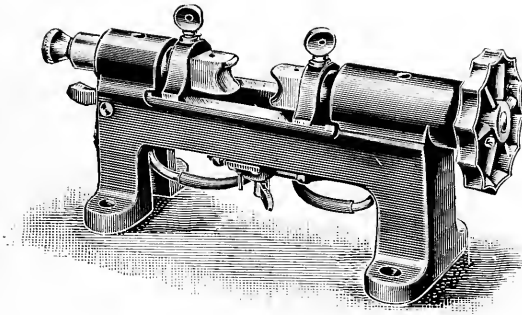
THE illustration shows how this machine is operated, the trace being pulled through it by hand.

The four corners are trimmed simultaneously, and the knives are adjustable so that more or less is taken off the corners as may be required.

The knives automatically adjust themselves to suit different thicknesses of traces, backbands, straps, etc., and the adjustment for different widths is readily obtained by means of the hand-wheel and screw.

Spring adjusting devices cause the knives to accommodate themselves to any little variation either in thickness or width, so that the same amount of trimming is done notwithstanding such slight irregularities.

	Price	...	£4 0 0	
	Extra knives, per set	...	6/-	
Net Weight.	Gross Weight.	Bench Space.	Height.	
9½ lbs.	16 lbs.	12" x 6½"	6½"	



## Trace Burnishing Machine.

USED in conjunction with the Trace Trimmer. Burnishing irons supplied with this machine are made to suit any thickness of trace or strap or any shape of edge which may be required. The irons are readily changed, and are heated by specially designed gas-jets. Both edges are burnished together. The adjustment for different widths is very readily made.

A spring adjusting device causes the burnishing irons to accommodate themselves to any little irregularity in the width of the straps, etc., so that all parts of the edges are burnished under equal pressure.

Price, complete with one pair of irons			...	£2 10 0
Extra irons, per pair			... ..	0 7 6
Net Weight.	Gross Weight.	Bench Space.	Height.	
9 lbs.	16 lbs.	14" x 4"	6"	



## Rotary Bench Edge Setting Machine.

FOR finishing edges in a satisfactory manner at a low cost this machine cannot be excelled. The edge irons run at a high speed, and no gas is required, as the heat is obtained by friction. The brush is run at a much slower speed, which enables the operator to get a finished edge without risk of brushing off the wax and destroying the polish.

A wax-holder for stick wax can be supplied for this machine if required.

Price ... **£4 10 0**

Receiving pulley, 3" x  $2\frac{1}{4}$ ", runs at 2,000 revolutions per minute.

Belt.	Net Weight.	Gross Weight.	Bench Space.	Height.
2"	75 lbs.	90 lbs.	21" x 12"	22"





## Raw Hide Mallets.

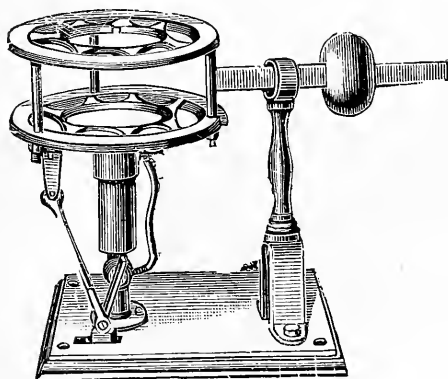
$1\frac{1}{8}$ lb.	2 lb.	$3\frac{1}{4}$ lbs.	$4\frac{3}{4}$ lbs.	$6\frac{1}{4}$ lbs.	$8\frac{1}{2}$ lbs.	10 lbs.	12 lbs.	14 lbs.
5/-	7/-	9/-	11/-	13/-	15/-	17/-	19/-	21/-

**T**HE heads of these mallets are made from discs of tough raw hide, which are compressed between two iron collars.

The discs of which the handles are made are cut from tanned leather, and there is a solid steel core running right through the handle and head.

To ensure solidity each mallet is subjected to a pressure of fifty tons.

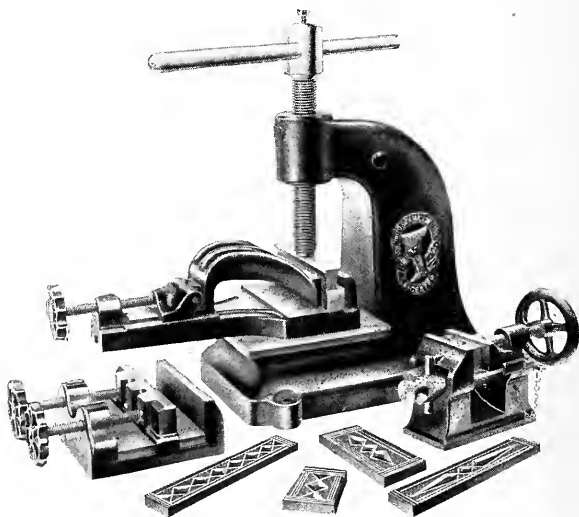
The result is these mallets will withstand any amount of hard work, and will last for many years.



## Atmospheric Gas Heaters.

**F**OR Hand Tools. This appliance turns off the gas as soon as the tool is taken from the flame, and re-lights it when the tool is again laid on. Saves its cost in gas in a short time.

Price	...	10/6
Weight	...	14 lbs.

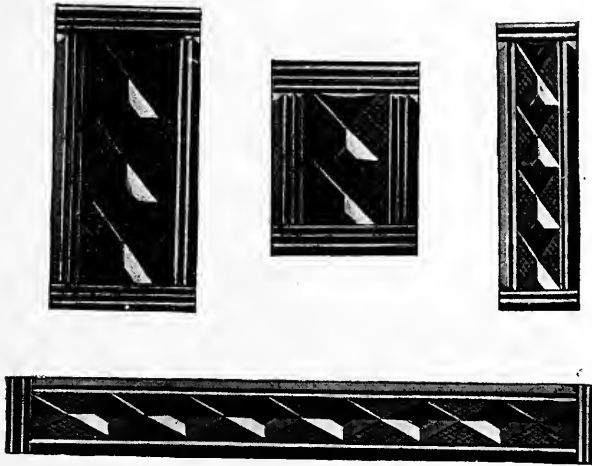


## Harness Loop Creasing Outfit.

THE pipe loops are stitched into the harness in the same way as would be done for hand-creasing; the dies, which are made of gun metal, are used either cold or hot. Heated dies make better and more lasting impressions.

Press, with three iron die blocks and two side plates	...	...	£4 10 0
Box for cheek loops	...	...	1 10 0
Box for hame and breeching tug loops	...	...	1 5 0
Box for shaft tug loops	...	...	1 10 0
Price of dies per set of four, from	...	...	3 15 0

Net weight, complete ... 280 pounds.



## Harness Loop Dies—Gun Metal.

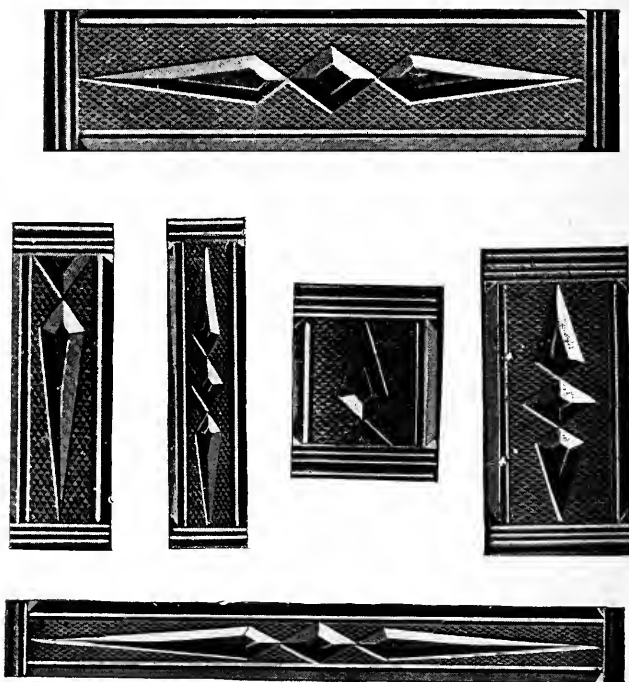
The following are always kept in stock:—

### Diamond Pattern.

$\frac{3}{8}$ " x $5\frac{1}{2}$ " ... ..	£0 18 0	$1\frac{1}{4}$ " x 3" ... ..	£0 18 0
$\frac{3}{8}$ " x $3\frac{1}{4}$ " ... ..	0 17 0	$1\frac{3}{8}$ " x 2" ... ..	0 18 0
$\frac{3}{4}$ " x 7" ... ..	1 0 0	$1\frac{3}{8}$ " x $3\frac{1}{2}$ " ... ..	1 0 0
$\frac{3}{4}$ " x $3\frac{1}{2}$ " ... ..	0 17 0	$1\frac{1}{2}$ " x $3\frac{3}{4}$ " ... ..	1 0 0
1" x 4" ... ..	0 18 0	$1\frac{1}{2}$ " x $2\frac{3}{4}$ " ... ..	0 19 0
$1\frac{1}{4}$ " x $1\frac{3}{4}$ " ... ..	0 17 0	$1\frac{1}{2}$ " x 7" ... ..	1 6 0

Send for impressions in leather from above dies.

Special Pattern dies made to order at an extra cost of from  
15% to 30% on above prices.



## Harness Loop Dies—Gun Metal.

The following are always kept in stock:—

### Spear and Diamond Pattern.

$\frac{5}{8}$ " x $5\frac{1}{2}$ " ...	...	...	£0 18 0	$1\frac{1}{4}$ " x $1\frac{3}{4}$ " ...	...	...	£0 17 0
$\frac{7}{8}$ " x $3\frac{1}{4}$ " ...	...	...	0 17 0	$1\frac{1}{4}$ " x 3" ...	...	...	0 18 0
$\frac{7}{8}$ " x $7\frac{1}{2}$ " ...	...	...	1 0 0	$1\frac{3}{8}$ " x 2" ...	...	...	0 18 0
$\frac{3}{4}$ " x 4" ...	...	...	0 18 0	$1\frac{5}{8}$ " x $3\frac{1}{2}$ " ...	...	...	1 0 0
$\frac{3}{4}$ " x $6\frac{1}{2}$ " ...	...	...	0 18 0	$1\frac{1}{2}$ " x $2\frac{3}{8}$ " ...	...	...	0 19 0
$\frac{3}{4}$ " x $3\frac{1}{2}$ " ...	...	...	0 17 0	$1\frac{1}{2}$ " x $3\frac{3}{4}$ " ...	...	...	1 0 0
1" x 4" ...	...	...	0 18 0	$1\frac{1}{2}$ " x 7" ...	...	...	1 6 0

Send for Impressions in leather from above Dies.

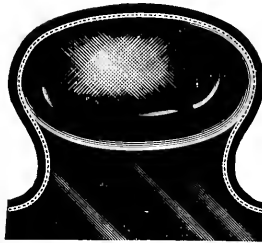
Special Pattern dies made to order at an extra cost of from  
15% to 30% on above prices.

## Blind or Winker Moulds.

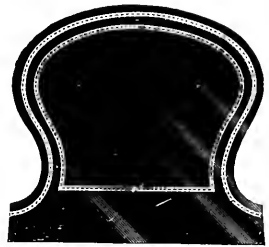
No. 1.



No. 2.



No. 3.

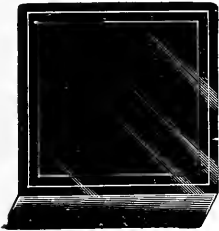


**Small Sensible Blind.**

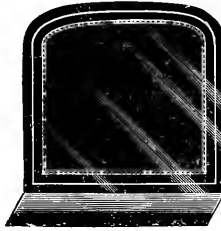
**Large Sensible Blind.**

**Hatchet Blind (large).**

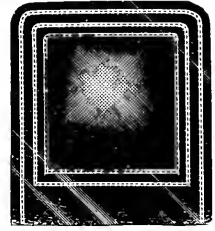
No. 4.



No. 5.



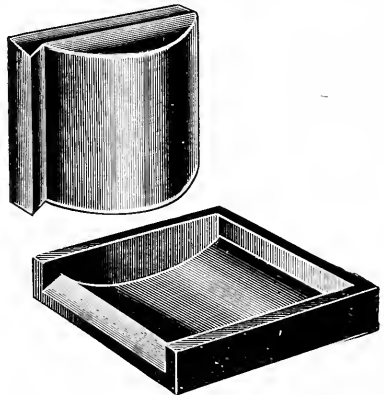
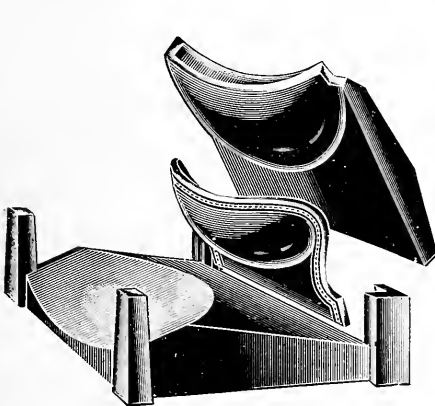
No. 6.



**Square Blind.**

**Rounded Blind.**

**Round Corner Blind.**

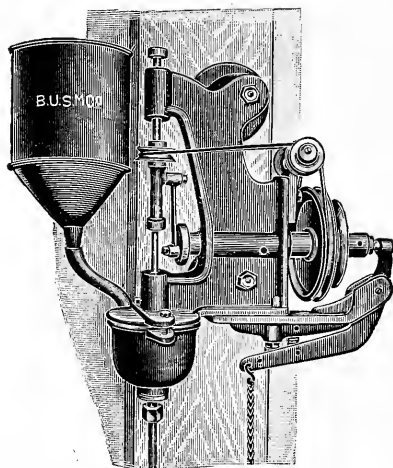


Prices: No. 1, 20/-.

No. 2, 22 6.

No. 3, 4, 5, 6, 25/-.

Any style or size of Mould made to order.



## Dock Stuffing Machine.

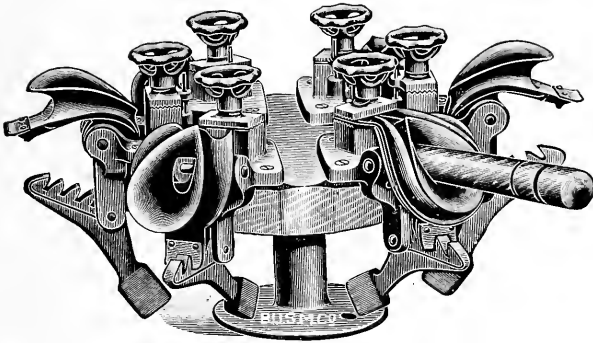
A large hopper contains the main supply of seed which flows by gravitation into the small hopper through which the stuffing rod works. By this arrangement a shorter, and therefore stiffer stuffing rod is used than when the rod has to work through a large hopper.

The stuffing rod is held in position by a screw, and can be readily withdrawn from the machine on loosening the screw without disturbing any other part of the machine.

The machine is usually fixed to a wooden column or to a stout plank fixed vertically, or it may be fixed to a brick column.

Price, without column     ...     £7 0 0

Receiving grooved pulley, 4" diameter, runs at 800 revolutions per minute.



## Dock Forming and Stretching Machine.

SIX Dock Formers and Stretchers are mounted on a revolving table, but each Former and Stretcher is used independently of the others, so that a single dock, or any number up to six, may be moulded. Each mould or former is so made as to impart a perfect shape to each dock. After clamping the points, the stretching is done instantly by a lever.

Price, six Formers on a revolving table	...	£2 0 0
Price, single Former, to fix on bench	...	0 7 6
Price, two Formers of different pattern to above		0 16 0



## Punching and Eyeletting Machines.

No. 1 Machine, to punch 4" from edge	...	...	...	£0 14 0
No. 2     "     "     8"     "	...	...	...	1 5 0
No. 3     "     "     12"   "	...	...	...	1 10 0
No. 1     "     to eyelet 4"   "	...	...	...	0 14 0
No. 2     "     "     8"     "	...	...	...	1 5 0
No. 3     "     "     12"   "	...	...	...	1 10 0
Self-Feeding Eyeletting Machine	...	...	...	4 10 0
Twin Punching and Self-Feeding Eyeletting Machine	...	...	...	12 0 0
Automatic ditto, for power	...	...	...	35 0 0

Any of the above machines can be adapted for special work.

When ordering Eyeletting Machines, send about 200 eyelets, or for Self-Feeding Machines about 1,000 eyelets, so that the dies and self-feeding parts may be made to suit them.

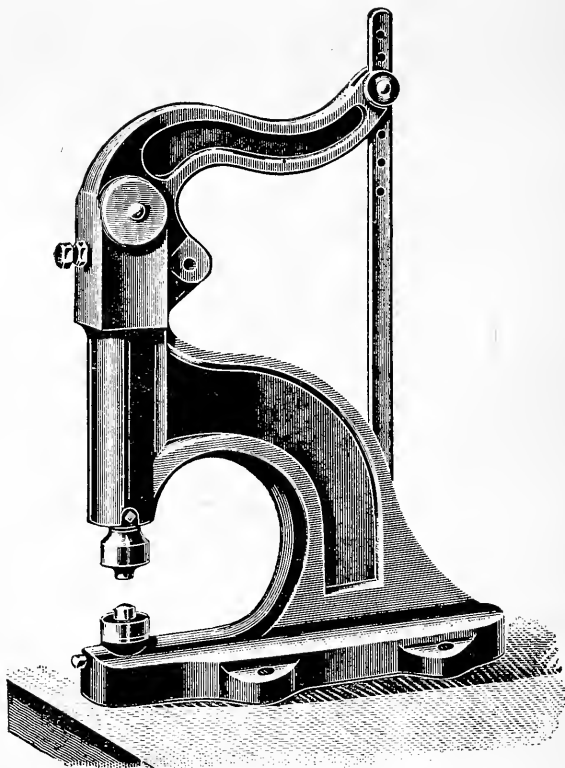




## Self-Feeding Eyeletting Machine.

THIS is a small foot-power Eyeletting Machine suitable for braces, purses, etc.

	Price	...	£4 10 0	
Net Weight.		Gross Weight.	Bench Space.	Height.
25 lbs.		50 lbs.	5½" x 9"	17"



## **“Excelsior” Eyeletting Machine.**

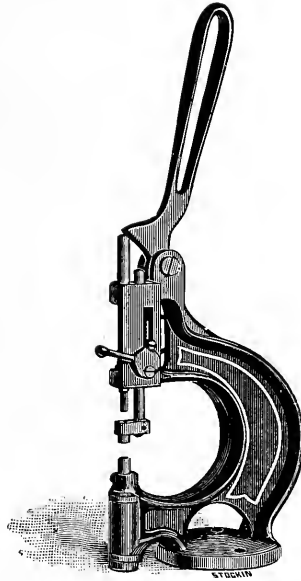
**For Closing Sack or Sail Eyelets.**

Price, complete with treadle, adjustable Iron Rod, and one set of  
Best Cast Steel Dies ... .. **£5 0 0**

Extra sets of Dies from **10/6** per set.

---

Punching Dies can also be fitted to this machine.



## American Standard Patent Rivetting Machine.

**T**HE Standard Patent Rivetting Machines are the *Good, Quick, and Cheap*. They are easily operated, and being simple in construction are not likely to get out of order. The machines automatically adjust themselves to suit varying thicknesses of material.

The Standard Rivetters have met with an unprecedented success in America, and are extensively used by harness makers, saddlers, horse clothing manufacturers, and by manufacturers of leather goods of every description. They are also largely used for splicing and repairing belts, straps, harness, and all sorts of leather goods.

The machines are made to drive and clench rivets or studs with heads either  $\frac{3}{16}$ " or  $\frac{1}{4}$ " diameter and with any length of prong up to  $\frac{1}{2}$ ".

Hand Machine for rivets	...	...	...	...	...	£1 5 0
Hand Machine for studs	...	...	...	...	...	1 12 0
Foot Lever Machine, for rivets, spots or studs	...	...	...	...	...	2 10 0
Extra set of tools, dies, etc., for other sizes, per set	...	...	...	...	...	1 0 0

## Standard Patent Rivets and Studs.

RIVET.



Fig. 1.

RIVETTED.



Fig. 2.

RIVETTED.



Fig. 3.

**F**IGURE 1 shows the Standard Patent Rivet before, and Figures 2 and 3 after being rivetted. Figure 2 shows the *inward* clinch, and Figure 3 the *outward* clinch. Either style of clinch, inward or outward, can be immediately obtained by changing the anvils in the rivetting machine.

The following are some of the *advantages* claimed for these rivets:—

They are made of the *finest* quality of STEEL, leave a *perfectly smooth* surface on the under side when rivetted, and *cut out no material* in driving.

They adapt themselves to material *varying in thickness*, drive through the *toughest material*, are strong enough for *all* purposes, and are *cheap and good*.

For joining straps, belts, harness, etc., these rivets surpass anything yet invented; they are invaluable to makers of leather goods. For some work these rivets are superior to thread, being much stronger, capable of standing severer strain, and are unaffected by the weather. They are driven by hand, foot or power machines, or may be driven with a hammer, and *make a perfectly smooth inside*.

For attaching straps and buckles to horse clothing, harness, leggings, portmanteaus, and leather goods of every description, these rivets have no superior.

### Prices of the Standard Patent Rivets.

Diameter of Head.	Length of Prong.	Japanned.	Per 1,000.		
			Coppered or Tinned.	Brassed.	Nickeled..
3-16"	4-16"	1/5	1/6	1/6	1/9
3-16"	5-16"	1/5	1/6½	1/7	1/9½
4-16"	4-16"	1/5	1/6	1/7	1/9½
4-16"	5-16"	1/7½	1/8½	1/9	2/-
4-16"	6-16"	1/7½	1/9	1/10½	2/0½
4-16"	8-16"	2/0½	2/1½	—	—

Send for Samples of Rivets and Work.

## Standard Patent Studs.



**W**ITH round heads for ornamenting dog collars, children's shoes, and all kinds of fancy leather work. The prongs of these studs can be turned *inwards* or *outwards*, leaving the under side *perfectly smooth*. They are similar to the Standard Rivets, but have a rounded head.

They are made in two size of heads, viz.  $\frac{3}{16}$ " and  $\frac{1}{4}$ ".

### Prices of Patent Studs.

Brass or Nickelled.

Diam. of Head.	Length of Prong.					
3-16"	...	3-16"	...	...	...	<b>2/9</b> per 1,000
3-16"	...	4-16"	...	...	...	<b>2/9</b> "
4-16"	...	4-16"	...	...	...	<b>3/4</b> "

## Large Spots or Studs.

**F**OR ornamenting harness and other leather goods. These are similar to the studs, but have heads  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ ", and  $\frac{3}{4}$ ", diameter, with prongs  $\frac{1}{16}$ " long. There are two shapes of head—half-round, and nearly flat with round edges.

Prices per 1,000.

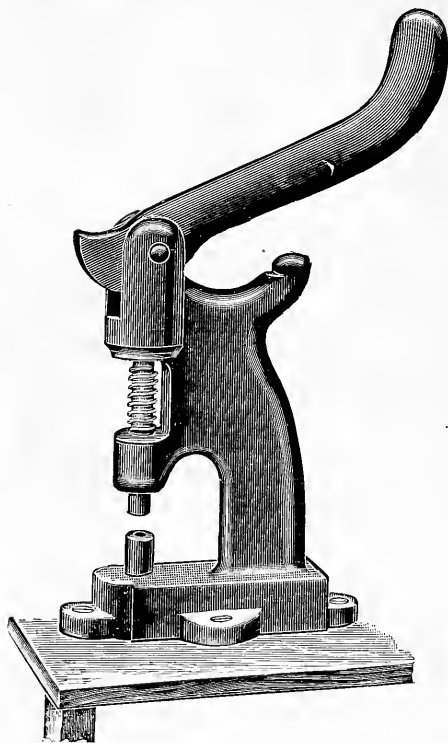
$\frac{3}{8}$ " head, in brass	...	...	<b>7/6</b>	$\frac{3}{8}$ " head, in German silver	<b>9/9</b>
$\frac{1}{2}$ " " "	..	...	<b>8/6</b>	$\frac{1}{2}$ " " " "	<b>12/3</b>
$\frac{5}{8}$ " " "	...	...	<b>11/-</b>	$\frac{5}{8}$ " " " "	<b>18/-</b>
$\frac{3}{4}$ " " "	...	...	<b>15/3</b>	$\frac{3}{4}$ " " " "	<b>22/-</b>
$\frac{7}{8}$ " " "	...	...	<b>22/-</b>	$\frac{7}{8}$ " " " "	<b>31/9</b>
1" " "	...	...	<b>24/9</b>	1" " " "	<b>36/3</b>

Extra sets of tools required for each shape and size of head, at **£1**.

Send for Samples of Studs, Spots and Work.

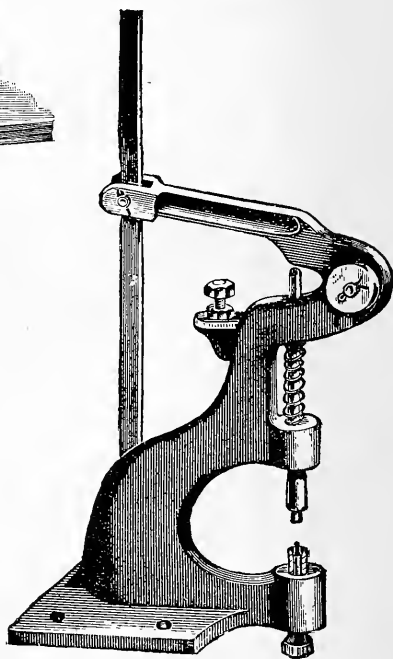
BRITISH UNITED  
SHOE MACHINERY Co., Ltd.,  
LEICESTER.

## Tubular Rivet Setting Machines.



"THE  
LEICESTER"  
No. 1.

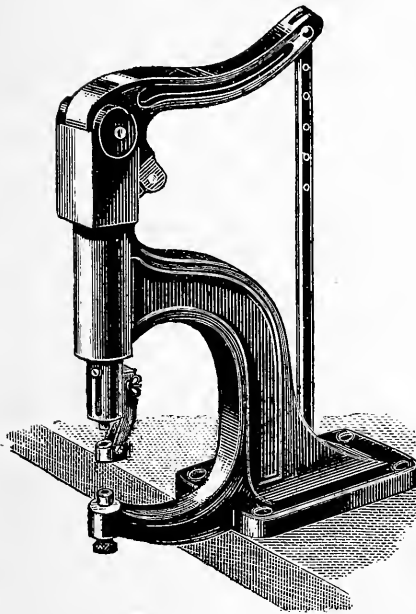
"THE  
LEICESTER"  
No. 2.



PRICES OF MACHINES ON APPLICATION.

BRITISH UNITED  
SHOE MACHINERY Co., Ltd.,  
LEICESTER.

## Tubular Rivet Setting Machines.

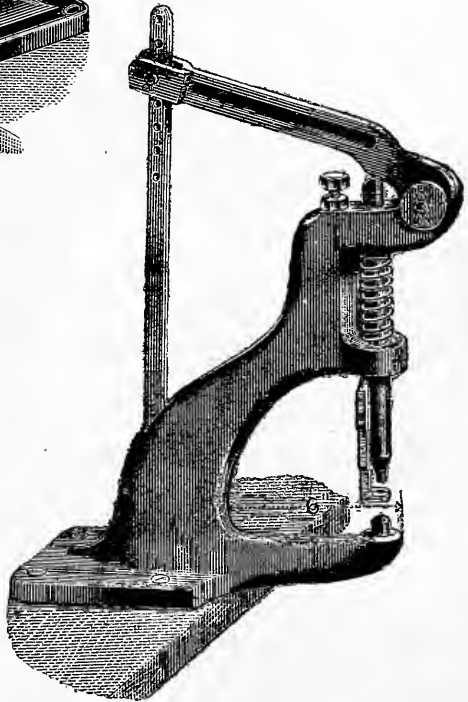


**"THE  
LEICESTER"**

**No. 3.**

*Made in Two Sizes.*

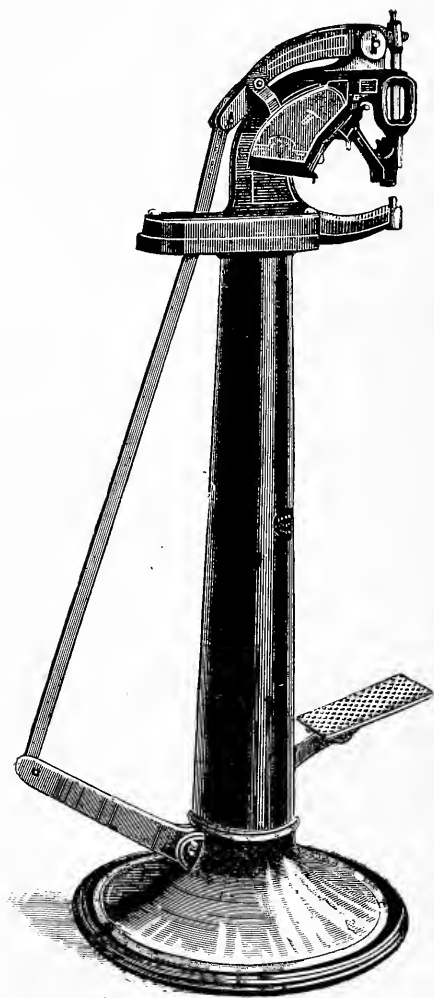
**"THE  
LEICESTER"**  
**No. 4.**



PRICES OF MACHINES ON APPLICATION.

BRITISH UNITED  
SHOE MACHINERY Co., Ltd.,  
LEICESTER.

## The Leicester Self-Feeding Machine.

















PRICE OF THIS MACHINE ON APPLICATION.
















# Solid Drilled Tubular Rivets.

## Size No. 1.

LENGTHS.													
4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10	
16	16	16	16	16	16	16	16	16	16	16	16	16	
													

## Size No. 3 Harness.

LENGTHS.													
4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10	
16	16	16	16	16	16	16	16	16	16	16	16	16	16
													

SPECIAL RIVETS MADE TO ORDER.  
PRICES OF RIVETS AND MACHINES ON APPLICATION.

## Tubular Rivets (Split).

With Flat, Oval and Mushroom Heads,

— MADE IN —

**STEEL, BRASS and COPPER,**










and may be had in Four Colours.

STEEL JAPANNED BLACK (or any shade of Tan).

" TINNED.

" BRASSED.

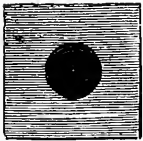
" COPPERED.

No. 1	SIZE		LENGTHS						
	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6
	16	16	16	16	16	16	16	16	16
									

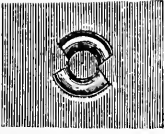
SPECIAL RIVETS MADE TO ORDER.

PRICES OF RIVETS AND MACHINES ON APPLICATION.

Head, full size.














Clinch, full size.

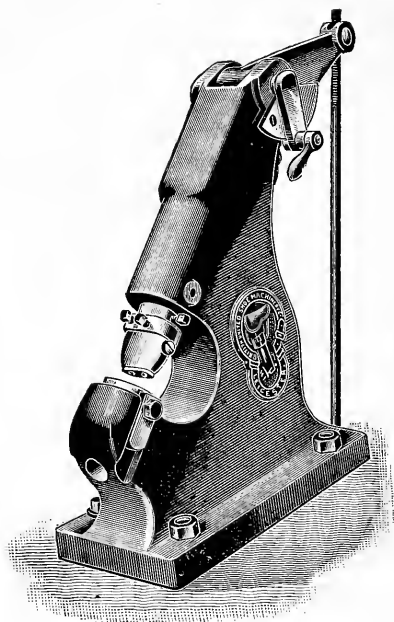


### Tubular Rivets (Split)—continued.

[illegible]

SIZE	LENGTHS											
No. 3	4	4½	5	5½	6	6½	7	7½	8	8½	9	
	16	16	16	16	16	16	16	16	16	16	16	
												

SPECIAL RIVETS MADE TO ORDER.  
PRICES OF RIVETS AND MACHINES ON APPLICATION.

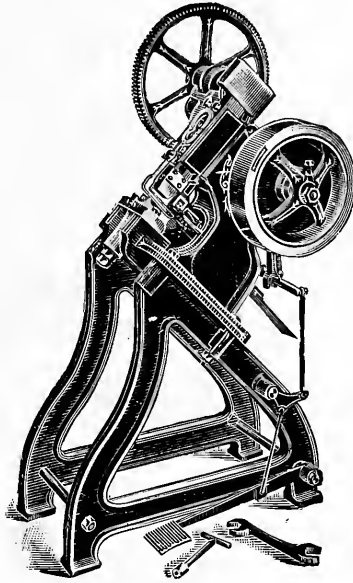


## Foot Power Link and Washer Cutting Machine.

**W**HEN power is not available or first cost is a consideration, we recommend the Machine illustrated above, which uses Dies similar to those used with the power Machine, each link or washer being cut complete at each stroke of the treadle.

Price with one Die	...	...	...	£10 0 0
Extra Dies per set	...	...	...	2 0 0
Countersinking Machine for power, to stand on bench...				1 10 0
Countersinking Machine on Stand for treadle			...	3 0 0

Net weight.	Gross weight.	Bench space.	Height:
95 lbs.	117 lbs.	7" x 15"	18"



## Power Link and Washer Cutter Machine.

A complete link or washer is cut at each stroke of the machine, the link having two holes in it and the washer being cut on both the inside and outside circumferences. The machine is also used for cutting small strap billets and other shapes of similar size. The largest size of link we recommend the machine to be used for is 3" long by 1" wide, or washer, 2" outside diameter, and other shapes of similar size.

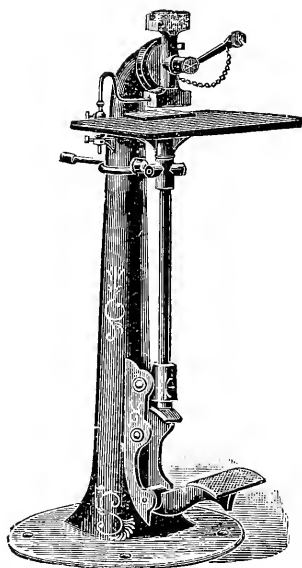
The material cut by the machine include leather, leather board, asbestos, india rubber, insertion, cloth, &c.

The links are used for link belting, doormats, &c., and the washers for many mechanical purposes including watertaps, steam taps, etc. As each part is cut it is automatically ejected from the die and falls clear of the machine.

Price, including one complete die for either a link or washer	...	£20	0	0	
Extra dies per set	... ..	...	2	5	0
Countersinking machine for power, to stand on bench	...	...	1	10	0
Countersinking machine on stand, with treadle	... ..	...	3	0	0

Receiving pulley 12" x 2 $\frac{3}{4}$ ", runs at 320 revolutions per minute.

Belt.	Net weight.	Gross weight,	Floor space.	Height.
2 $\frac{3}{4}$ "	343 lbs.	456 lbs.	19" x 28"	44"



## Gold Embossing Machine.

FOR stamping names or designs in silver or gold on purses, braces, etc. Will work equally well on silk, leather, or cotton.

The machine is made to carry two stamps, either of which can be brought into use instantly.

Stamps to customers' designs are supplied at an extra charge.

Price, without stamps		...	£8 0 0		
Net weight.	Gross weight.	Length.	Width.	Height.	
110 lbs.	150 lbs.	18"	18"	48"	

## TESTIMONIALS.

---

The Scottish Co-operative Wholesale Society, Ltd.,  
Glasgow.  
The British United Shoe Machinery, Co., Ltd.,  
Union Works, Leicester.

Gentlemen,

Replying to your letter of the 9th, we have much pleasure in stating that the No. 6. Harness Sewing Machine supplied to us September, 1899, and which has been constantly in use in our Saddlery Department every day, doing both light and heavy work, stitching from 7 up to 13 stitches per inch, has given us entire satisfaction.

Our outlay in the way of repairs of parts has been but a small item, when we consider the class of work this machine has to do, frequently necessitating (when a different stitch is required) that certain parts have to be unscrewed and then put together again.

Our experience is, that, if well operated, it turns out work equal to the hand, both for neatness and wear.

We also use in this Department the Strap Punching Machine got at the same date, while a Creasing, Trace Trimmer, Trace Burnisher, Lap Skiver, supplied in September, 1901, have all been in constant use, and wrought to our entire satisfaction, repairs having cost us practically nil.

All those in the trade who are not presently in possession of these machines, or who may be contemplating taking them up, we should say that they cannot do better, as from our experience, we have much pleasure in recommending them.

Yours faithfully,

pro. S.C.W.S., Ltd.,

WILLIAM MILLER,

*Manager.*

---

Co-operative Wholesale Society, Ltd.,  
1 Balloon Street,  
Manchester.

The British United Shoe Machinery Co., Ltd.,  
Union Works, Leicester.

Gentlemen,

We have had your Harness Machinery working on our premises for some years, and have found each separate machine to do its work in an entirely satisfactory manner.

Yours truly,

pro. Co-operative Wholesale Society,  
Manchester.

HENRY JACKSON,

*Manager.*

---

Co-operative Wholesale Society, Ltd.,  
Saddlery Department,  
Darn Crook,  
Newcastle-on-Tyne.

The British United Shoe Machinery Co., Ltd.,  
Union Works, Leicester.

In reply to yours of the 25th inst., I may say for the last four years we have used your No. 6 and A1 Machines, and Trace Trimmer, etc., which have given us satisfaction in every way.

Yours truly,

J. THOMPSON.

## TESTIMONIALS—*continued.*

---

Horse Clothing Manufacturers,  
Plume Works,  
Walsall.

The British United Shoe Machinery Co., Ltd.,  
Union Works, Leicester.

Dear Sirs,

In reply to your memo. of January 26th, we have half-a-dozen of your No. 6 Machines for the last six years in constant use in our factory, and the work which has been turned out by them has always been most satisfactory, and we should not replace them by any other machine.

Faithfully yours.

D. POWER & SONS.

---

R. E. Thacker,  
Wholesale Saddlers' Manufacturers,  
Walsall.

We have used Messrs. The British United Shoe Machinery Company's No. 6 and A1 Machines for a number of years, and have found them entirely satisfactory.

R. E. THACKER.

---

The British United Shoe Machinery Co., Ltd.,  
Union Works, Leicester.

18 Green Lane, Walsall.

We have the used No. 6 and the A1 Machines for a number of years, and we have found them very satisfactory.

THE LIGGINS CO., LTD.

---

Queen's Hotel Buildings,  
Nethergate,  
Dundee.

The British United Shoe Machinery Co., Ltd.,  
Union Works, Leicester.

Dear Sirs,

It is now over five years since you sent me your No. 6 Machine. I have used it regularly, and during all that time it has given me the utmost satisfaction, and I have not the slightest hesitation in recommending it to my brother tradesmen as a great saver of time and labour. It is a very handy iron man to have in your shop. He is always there and ready, and can do all sorts of stitching, from patent leather wipers, 14 stitches to the inch with three cord thread, to heavy mill belting, 6 stitches to the inch with eight cord thread. I don't know what I should do without it, I consider it paid itself the first year.

You are quite at liberty to use this letter, as I am certain that it is the most practical machine for general saddlery for producing good work at a great reduction of labour.

I am,

Yours faithfully,  
W. T. REID.

---

The British United Shoe Machinery Co., Ltd.,  
Leicester.

22 High Street,  
Buckie.

Dear Sirs,

I have now had your No. 6 Machine in use for the past five years, and the work done by it has proved quite satisfactory.

JOHN KEIR.



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**Our Goods can be obtained from the  
following Companies:—**

**DENMARK.**

A/S United Shoe Machinery Co.,  
Tordenskjoldsgade, 10,  
Copenhagen, Denmark.

**FRANCE.**

United Shoe Machinery Co., De France.  
105 Rue Lafayette, Paris.

**AUSTRALIA.**

United Shoe Machinery Co.,  
99 Clarence Street,  
Sydney, N.S.W.

**AUSTRALIA,**

United Shoe Machinery Co.,  
184-186 Brunswick Street,  
Fitzroy, Melbourne.

**GERMANY.**

Deutsche Vereinigte Schuhmaschinen Gesellschaft,  
Mainzer Landstrasse, [G.m.b.H]  
Frankfurt, A/M.

**ITALY.**

United Shoe Machinery, Co.,  
56 Via Solferino,  
Milano.

**SOUTH AMERICA.**

United Shoe Machinery Co., of South America,  
2708-16 Bme Mitre,  
Buenos Aires, South America.

**SPAIN.**

United Shoe Machinery Co.,  
Sucursal Espanola,  
5 Calle de Fortuny,  
Barcelona, Spain

**SWITZERLAND.**

Schweiz Vereinigte Schuhmaschinen A-G.,  
Ausstellungsstrasse, 80,  
Zurich.

**U.S.A.**

United Shoe Machinery Co.,  
205 Lincoln Street,  
Boston, Mass.

**NEW ZEALAND.**

H. O. Hewett & Co.,  
56 Cuba Street Extension,  
Wellington.

**CANADA.**

The John O'Flaherty Co.,  
Montreal.

